COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

INVESTIGATION INTO COMPLIANCE OF)	
CITY OF LIBERTY GAS COMPANY WITH) CASE NO).
KRS 278.495 and 49 CFR Part 192) 2016-0039)1

ORDER

The Commission, on its own motion, finds that a formal investigation should be conducted to examine the City of Liberty Gas Company's ("Liberty Gas") compliance with periodic leakage survey requirements in accordance with federal and state regulations. As a municipal gas distribution system, Liberty Gas falls under the Commission's jurisdiction over municipal gas facilities pursuant to KRS 278.040, KRS 278.495, and KRS 278.992.

KRS 278.495(2)(a) authorizes the Commission to regulate the safety of natural gas facilities which are owned or operated by any city, and used to distribute natural gas at retail. In addition, the Commission enforces the minimum safety standards adopted by the United States Department of Transportation pursuant to federal pipeline safety laws, 49 U.S.C., Section 60101, *et seq.*, and amendments thereto, pursuant to KRS 278.495(2) and KRS 278.992(1).

Federal regulations set minimum requirements for periodic leakage control programs for gas distribution systems, such as Liberty Gas. For gas distribution systems located within a business district, 49 CFR, Section 192.723(b)(1), provides that a leakage survey in business districts be conducted at least once each calendar year, but at intervals not exceeding 15 months. For gas distribution systems located outside

a business district, 49 CFR, Section 192.723(b)(2), provides that a leakage survey be conducted "as frequently as necessary," but at least every five years at intervals not exceeding 63 months. However, 49 CFR, Section 192.605(a), states that a utility must prepare and follow written procedures for periodic leakage surveys in its operating and maintenance plan. When the operation and maintenance plan establishes a shorter interval for conducting a leakage survey than a regulation requires, the shorter interval controls.

On July 6–10, 2015, Commission investigator Steve Samples conducted a periodic regulatory compliance inspection of Liberty Gas. The inspection report issued July 13, 2015 ("2015 Inspection Report"), noted seven deficiencies of 49 CFR Part 192. Of the seven deficiencies, two were related to failure to comply with periodic leakage survey requirements, as follows:

1. 49 CFR Section 192.723(b)(1) Distribution Systems: Leakage Surveys. A leakage survey with leak detector equipment must be conducted in business districts . . . at intervals not exceeding 15 months, but at least once each calendar year.

The 2015 Inspection Report contained a finding that Liberty Gas had not performed leakage surveys in its business districts since 2009.

 49 CFR Section 192.605(a) Procedural Manual for Operations, Maintenance, and Emergency Operations -General. Each operator shall prepare and follow for each pipeline, a manual of written procedures for conducting operations and maintenance activities.

The 2015 Inspection Report contained a finding that Liberty Gas's Operation and Maintenance Manual requires leakage surveys be conducted outside its business districts every three years, and that Liberty Gas had not conducted leakage surveys outside its business districts since 2009.

On August 18, 2015, a cover letter and copy of the 2015 Inspection Report were sent to Liberty Gas. Liberty Gas was requested to respond by September 18, 2015, outlining corrective actions for the cited deficiencies. A copy of the August 18, 2015 letter and 2015 Inspection Report are attached as Appendix B. Liberty Gas filed its response in a letter dated September 16, 2015, that was received by the Commission on September 21, 2015. A copy of Liberty Gas's September 16, 2015 response is attached as Appendix C. Liberty Gas stated that it had hired Heath Consultants ("Heath") to perform leakage surveys both inside and outside the business district before the end of 2015 to cure those two deficiencies. Liberty Gas further stated that it would schedule Heath to perform leakage surveys inside the business district on an annual basis and outside the business district every three years to ensure the leakage surveys were performed according to regulations and Liberty Gas's Operations and Maintenance Manual.

Mr. Samples conducted a follow-up inspection of Liberty Gas on June 23, 2016, to ascertain and verify compliance actions taken by Liberty Gas in order to correct the seven deficiencies noted in the 2015 Inspection Report. As noted in the follow-up inspection report ("2016 Inspection Report"), Liberty Gas had corrected five of the deficiencies cited in the 2015 Inspection Report, but had failed to correct the two deficiencies regarding conducting leakage surveys inside and outside Liberty's business district.

On September 6, 2016, a cover letter and copy of the 2016 Inspection Report were sent to Liberty Gas. Liberty Gas was requested to respond within 30 days with an explanation of why the deficiencies occurred and how the deficiencies would be remedied and prevented. A copy of the September 6, 2016 letter and 2016 Inspection

Report are attached as Appendix D. According to the September 6, 2016 letter and 2016 Inspection Report, the most recent leakage survey records were for a 2009 leakage survey conducted by Heath both inside and outside Liberty's business district. Liberty Gas filed its response on September 16, 2016, confirming that leakage surveys had not been conducted since 2009. A copy of Liberty Gas's September 16, 2016 response, with attachments, is attached as Appendix E. Liberty Gas stated that the failure to conduct the leakage surveys since 2009 was an oversight and that the task was overlooked after the death of the gas supervisor who scheduled leakage surveys. Liberty Gas further stated that Heath conducted leakage surveys inside and outside Liberty's business district on July 19–21, 2016, and attached a copy of the leakage survey report. Lastly, Liberty Gas stated that future scheduling of leakage surveys was set forth in its operations and maintenance plan, and on a calendar of gas-related tasks.

In reviewing the history of Liberty Gas's compliance with periodic leakage survey requirements as documented in periodic regulatory compliance inspections performed by Commission investigators, Liberty Gas was cited for failure to perform and document leak surveys in 2007 and 2009. A copy of the 2007 Inspection Report is attached as Appendix G, and a copy of the 2009 Inspection Report is attached as Appendix H. In the periodic regulatory compliance inspection conducted in 2012, the Commission investigator found there were no deficiencies and that Liberty Gas timely conducted periodic leakage surveys as required ("2012 Inspection Report"). A copy of the 2012 Inspection Report is attached as Appendix F.

¹ Utility Inspection Report, Liberty Gas (Ky. PSC Mar. 27, 2012), Report number 031212, at 10 of 26.

Due to the discrepancy between the 2012 Inspection Report, and both the 2015 and 2016 Inspection Reports regarding the performance of leakage surveys, the Commission Executive Director wrote to Liberty Gas on August 22, 2016, requesting a copy of all leakage surveys conducted both in and outside Liberty's business district since 2009. In response, Liberty Gas faxed a copy of the 2016 leak survey report conducted by Heath. After a second request was made to Liberty Gas to ensure that all leakage surveys had been forwarded to the Commission, Liberty Gas faxed leakage survey recaps for 2011, 2012, 2013, and 2014 ("Leakage Survey Recaps") that appear to have been conducted by Liberty Gas employees. A copy of the Leakage Survey Recaps is attached as Appendix I.

Based upon its review of 2012, 2015, and 2016 Inspection Reports, and being otherwise sufficiently advised, the Commission finds that a formal investigation should be conducted to examine and ascertain Liberty Gas's compliance with periodic leakage survey regulations in accordance with federal and state requirements.

The Commission, on its own motion, HEREBY ORDERS that:

- 1. This investigation is initiated to review Liberty Gas's compliance with the leakage survey requirements set forth in 49 CFR, Section 192.723(b)(1), and 49 CFR, Section 192.605(a).
- 2. a. Liberty Gas, pursuant to 807 KAR 5:001, is to file with the Commission the original and ten copies of the information requested in Appendix A to this Order. The information requested is due within 20 days of the date of this order.
- b. Responses to requests for information shall be appropriately bound, tabbed and indexed, and shall include the name of the witness responsible for

responding to the questions related to the information provided, with a copy to all parties of record.

- c. Each response shall be answered under oath or, for representatives of a public or private corporation or a partnership or association or a governmental agency, be accompanied by a signed certification of the preparer or person supervising the preparation of the response on behalf of the entity that the response is true and accurate to the best of that person's knowledge, information, and belief formed after a reasonable inquiry.
- d. Any party shall make timely amendment to any prior response if it obtains information which indicates that the response was incorrect when made or, though correct when made, is now incorrect in any material respect.
- e. For any request to which a party fails or refuses to furnish all or part of the requested information, that party shall provide a written explanation of the specific grounds for its failure to completely and precisely respond.
- f. Any party filing a paper containing personal information shall, in accordance with 807 KAR 5:001, Section 4(10), encrypt or redact the paper so that the personal information cannot be read.

By the Commission

ENTERED

DEC 01 2016

KENTUCKY PUBLIC SERVICE COMMISSION

ATTEST:

Executive Director

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016

- 1. Refer to the Leakage Survey Recaps, which are attached to this Order as Appendix I. Provide copies of each gas leak detection survey report represented by the Leakage Survey Recaps.
- 2. Explain why the Leakage Survey Recaps were not provided to Commission Staff during the periodic regulatory compliance inspection of Liberty Gas conducted between July 6 and July 10, 2015.
- 3. Explain why the Leakage Survey Recaps were not provided to Commission Staff during the follow-up regulatory compliance inspection of Liberty Gas conducted June 23, 2016.
- 4. Refer to Liberty Gas's response to the 2015 Inspection Report, Finding 4 and 5, attached as Appendix C. Explain why the Leakage Survey Recaps were not referenced or provided in Liberty Gas's response.
- 5. Explain why leakage surveys were not conducted before the end of 2015, as Liberty Gas stated would occur in its response to the 2015 Inspection Report, Finding 4 and 5.
- 6. Refer to Liberty Gas's response to the 2016 Inspection Report, attached as Appendix E, in which Liberty Gas states that "[t]he failure to complete the above mentioned leakage surveys were an oversight....."
- a. Explain why Liberty Gas confirmed that leakage surveys had not been performed either inside or outside Liberty's business district since 2009.

- b. Explain why the Leakage Survey Recaps were not referenced or provided in Liberty Gas's response.
- 7. Refer to the Leakage Survey Recap dated June 6, 2011, which indicates a Grade 2 leak was detected. Provide documentation of the repair of the Grade 2 leak noted on the June 6, 2011 Leakage Survey Recap.
- 8. For each gas leak detection survey conducted in 2011, 2012, 2013, and 2014, identify which gas leak detection survey was conducted by Liberty Gas employees and which gas leak survey was conducted by a third-party leak detection company.
- 9. For each gas leak detection survey conducted in 2011, 2012, 2013, and 2014 by Liberty Gas employees:
- a. Identify the employee who conducted the gas leak detection survey;
 - b. Identify the covered tasks the employee is qualified to perform;
 - c. State the dates of initial qualification and retraining;
 - d. Identify the qualification method(s); and
- e. Provide records supporting the qualification of the employee to conduct a gas leak detection survey.
- 10. For each gas leak detection survey conducted in 2011, 2012, 2013, and 2014 by a third-party leak detection company:
- a. Identify the third-party company who performed the gas leak detection survey;
- b. Provide evidence of payment to the third-party leak detection company; and

- c. Provide records supporting the qualification of the personnel who conducted the gas leak detection survey.
- 11. For each gas leak detection survey conducted in 2011, 2012, 2013, and 2014 by Liberty Gas employees, identify the survey method.
- 12. For each gas leak detection instrument utilized by Liberty Gas employees in conducting gas leak detection surveys, provide records for the past five years that document:
- a. The frequency of gas leak detection instrument testing for accuracy;
- b. The results of gas leak detection instrument testing for accuracy; and
 - c. The frequency of gas leak detection instrument calibration.
- 13. For each Liberty Gas employee who has conducted a gas leak detection survey since 2011, provide documentation of the employee's training on:
 - a. Gas leak detection instruments:
 - b. Gas leak detection procedures; and
 - c. Gas leak classification and action criteria.
- 14. Refer to the 2016 Leakage Control Survey performed by Heath between July 19 and July 21, 2016, contained in Appendix E.
- a. Refer to unnumbered page 2, which notes that two Grade 2 leaks were detected during the leak survey. Provide documentation of the repairs of the two Grade 2 leaks.

- b. State what percentage of the business district is included in the July
 19–21, 2016 leak survey.
- c. State what percentage of the area outside the business district is included in the July 19-21, 2016 leak survey.
- 15. Provide copies of each Operating and Maintenance Manual procedure pertaining to gas leak detection surveys in effect since 2011, including but not limited to survey schedule and survey processes.
- 16. Provide documentation that Liberty Gas has contracted with a qualified firm to provide future leakage surveys in Liberty's business district and in areas outside the business district.

APPENDIX B

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016



Leonard K. Peters Secretary Energy and Environment Cabinet



Commonwealth of Kentucky
Public Service Commission
211 Sower Bivd.
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc ky.gov

David L. Armstrong Chairman

James W. Gardner Vice Chairman

Daniel E. Logsdon Jr. Commissioner

August 18, 2015

Mayor Steven Brown
City of Liberty, Kentucky
City of Liberty Gas System
PO Box 127
Liberty, KY 42539

RE: 2015 Natural Gas Standard Inspection - City of Liberty Gas System

Dear Mayor Brown.

Staff from the Kentucky Public Service Commission ("Staff") conducted a standard inspection of the natural gas facilities of the City of Liberty Gas System ("Liberty Gas") during the week of July 6-10, 2015. Liberty Gas serves approximately 650 customers in Liberty, Kentucky, and its surrounding area. The inspection included a records review, operator qualifications review, and a pipeline facilities review, as noted in the enclosed inspection report. Seven deficiencies were documented during this inspection. The previous inspection was conducted on March 12, 2012, and no deficiencies were documented during that inspection.

As noted, the following deficiencies were documented during this inspection.

Deficiencies

1. 49 CFR §192.465 (a) External Corrosion Control: Monitoring

(a) Each pipeline that is under cathodic protection must be tested at least once each calendar year, but with intervals not exceeding 15 months...

<u>Finding:</u>

The inspection found that Liberty Gas had not performed cathodic protection monitoring tests since 2013.

(Refer to Question #3, Records - Corrosion Control Performance, on Page 38 of the Inspection Report.)

2. 49 CFR §192.739 (a) Pressure Limiting and Regulating Stations: Inspection and Testing

(a) Each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment must be subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests...

Finding:

The inspection found that Liberty Gas had not inspected and tested its regulator stations since 2013.

(Refer to Question #32, Records – Operations and Maintenance Performance, on Page 35 of the Inspection Report.)





3. 49 CFR §192.747 (a) Valve Maintenance: Distribution Systems

(a) Each valve, the use of which may be necessary for the safe operation of a distribution system, must be checked and serviced at intervals not exceeding 15 months, but at least once each calendar year.

Finding:

The inspection found that Liberty Gas had not performed inspections on its critical distribution system valves since 2013.

(Refer to Question #38, Records – Operations and Maintenance Performance, on Page 36 of the Inspection Report.)

4. 49 CFR §192.723 (b)(1) Distribution Systems: Leakage Surveys

(b) (1) A leakage survey with leak detector equipment must be conducted in business districts...at intervals not exceeding 15 months, but at least once each year.

Finding:

The inspection found that Liberty Gas had not performed leakage surveys in its business districts since 2009.

(Refer to Question #26, Records - Operations and Maintenance Performance, on Page 34 of the Inspection Report.)

5. 49 CFR §192.605 (a) Procedural Manual for Operations, Maintenance, and Emergency Operations

(a) General. Each operator shall prepare and follow for each pipeline, a manual of written procedures for conducting operations and maintenance activities...

Finding:

The inspection found that Liberty Gas' Operation and Maintenance Manual requires leakage surveys every 3 years outside its business districts and that Liberty Gas had not performed leakage surveys outside its business districts since 2009.

(Refer to item #5, Probable Findings, on Page 3 and to Question #26, Records – Operations and Maintenance Performance, on Page 34 of the Inspection Report.)

6. 49 CFR §192.616 (c) Public Awareness

(c) The operator must follow the general program recommendations, including baseline and supplemental requirements of API RP 1162...

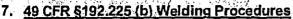
Finding:

The inspection found that Liberty Gas did not deliver its public awareness baseline message two (2) times per year as required in API RP 1162.

(Refer to Question #5, Procedures – Public Awareness Program, on Page 10 and to Question #20, Records – Operations and Maintenance Performance, on Page 33 of the Inspection Report.)



City of Liberty Gas System 2015 Natural Gas Standard Inspection August 18, 2015 Page 3



(b) Each welding procedure must be recorded in detail, including the results of the qualifying tests. This record must be retained and followed whenever the procedure is used.

Finding:

The inspection found that Liberty Gas did not have documented welding procedures. (Refer to Question #1, Procedures – Welding and Weld Defect Repair/Removal, on Page 17 of the Inspection Report.)

You are requested to respond to this report, outlining corrective actions for the cited deficiencies by September 18, 2015. You response shall include:

- 1) the corrective actions Liberty Gas will complete to bring each deficiency into full compliance.
- 2) a detailed schedule for completing the corrective actions, and
- 3) the actions taken to prevent each deficiency from occurring again.

In addition. Staff has recommended that Elberty Gas review its point of delivery with Texas. Eastern Transmission to venify the termination point of its pipeline system. You are requested to review this recommendation and respond in writing by September 18, 2015. Your response should include how this verification was established and how the location of the termination point of your pipeline system was modified, if necessary.

Should you have any questions or need additional information, please don't hesitate to contact me at (502) 782-2599. We appreciate your continued interest in the safe operation of your natural gas facilities.

Sincerely,

Jason M. Hurt, PE

Manager, Gas Pipeline Safety Branch

Division of Engineering

ec.

Bridgett Blake

Attachment





INSPECTION REPORT

	CINSPECTION INFORMATION	
KY PSC Inspector(s) Steve Sa	mples Report Nun	bers Liberty Gas 07102015
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Inspection Type: ☐ Stand	ard	ment x Operator Qualification
	OPERATOR INFORMATION	
Name of Operator: City of Liber	IV CARS TVSIPIII	no OP ID No., explain as been submitted)
Type of Facility Municipal	Location of Fac	Liberty, KY.
Area of Operation Liberty , KY.		
Official Operator Contact and Ad	dress: (Contact Unit Name and	Address
for Inspection Letter) Steven Brown (Mayor)		
City of Liberty		
518 Middleburg St.	에 [경기] 동경기 - 회기기 [경기	
Liberty, KY. 42539		
Phone # and Email: 606-787-9	973 Libertybb@windstream.net	
Records Location Same as al		
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Interviewed Title	Phone No.	<u>Email'</u>
Bridget Blake Clerk	606-787-9973	libertybb@windstream.net
Greg Rodgers Superintendent	A STATE OF THE STA	
Has the Operator provided an un	dated Emergency Contact List?	X Yes □ No
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Number of Customers:	650	
Number of Gas Employees: Gas Supplier:	5	
Unaccounted for Gas	Texas Eastern Transmission 4%	
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Services	650	
Operating Pressure(s):	MAOP (within last year)	Actual Operating Pressure (at time of inspection)
Feeders	250 psig	240 PSIG
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Other:	[] 27 	50
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Date of Last Inspection: 3/12/	2		
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Summary of Areas Inspected

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⊠	Emergency Plan ☑	Operations and Maintenance Plan ⊠.	Critical Valves Maintenance Inspections
⊠	Cathodic Protection	Accidents 🗵	Leak Surveys
⊠	Odorization	Operator Qualification	Damage Prevention
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Summary

On July 6,7,8,9 and 10, 2015, a standard periodic inspection was conducted on the City of Liberty. The last inspection was a standard inspection on March 12, 2012, and resulted in 0 deficiencies. The piping system consists of 4" and under coated steel and plastic piping with pressures ranging from 27 to 240 PSIG. City of Liberty has 1 point of delivery from Texas Eastern Gas Transmission.

The Operating and Maintenance, Emergency, Damage Prevention, Operator Qualification, Drug and Alcohol, Distribution Integrity Management, and Public Awareness Plans were reviewed during the office visit. Also inspected were samples of 2013, 2014, and 2015 records pertaining to leakage surveys and repairs, valve inspections, patrolling, corrosion control, regulator inspections, pressure recordings, distribution integrity management, public awareness, and odorant verifications. The field portion of the inspection consisted of inspecting town border regulator stations, pipeline markers, mainline valve locations, and meter installations. Also inspected the point of delivery from Texas Eastern Transmission and performed a protocol 9 field check on corrosion field test points to verify corrosion protection for the City of Liberty.

Probable Findings

- (1): 192.465(a) The City of Liberty has not tested its test points for external corrosion monitoring since 2013.
- (2) 192.739(a) The City of Liberty has not inspected its 4 regulator stations since 2013.
- (3) 192.747(a) The City of Liberty has not inspected its safety distribution valves since 2013.
- (4) 192.723(b)(1) The City of Liberty has not conducted leakage surveys on its business district each year. Last records were 2009 from Heath Contractors.
- (5) 192.723(b)(2) The City of Liberty has not conducted leakage surveys outside its business district. Last records were 2009 from Heath Contractors. The City of Liberty Operation and Maintenance interval is every 3 years.
- (6) 192.616(c) The City of Liberty was not sending the baseline public awareness message to its customers 2 times per year according to their Public Awareness Plan.
- (7) 192.225 The City of Liberty did not produce welding procedures for their system.

Recommendations and Comments

City of Liberty has experienced operation changes since the last inspection. The City of Liberty should correct the stated deficiencies in a timely manner.

Submitted By:

Steve Samples

Utility Regulatory and Safety Investigator IV

7/13/15



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. Safety While Making Repairs (detail)	Does the n	roces en	ure that n	enairs are ma	le in a cafe	manner a	nd are
hade so as to prevent damage to persons and property					<u> </u>	ម៉ាល់វែក។	
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5. Holders (detail) Does the process include sys							
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iolders? (MO.GM.HOLDER.P) (detail)	stematic an	d routine t	esting and		Unsat	or bottle-ty N A	ne.
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nvolving a pipeline facility, or a natural disaster? (EP.ER .92.615(a) (192.615(a)(3); 192.615(a)(11); 192.615(b)(1)) Sat+	Sat	Concern	Unsat	NA	NC
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. Emergency Response - Actions (detail				res for takii	ng actions	directed
oward protecting people first and then property? (EP.E.	RG.PUBLICPRIORITY.		-		<i>(</i>).	T
92 615(a) (192 615(a)(5))	Catt	62+	Concern	linest	NA	NC
92.615(a) (192.615(a)(5))	Sat+	Sat	Concern	Unsat	NA	NC
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Notes 5. Emergency Response (detail) Does the enduction in any section of pipeline system necessary to	emergency plan includ	x de proced	ures for the en	nergency sl	nutdown o	r pressur
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O. Incident Investigation Actions (detail) Do	nes the process	include n	rocedures for	heainnina .	action unde	9 r
192.617, if applicable, as soon after the end of the emergence						** **
92.615(a) (192.615(a)(10))	Sat+	Sat	Concern	Unsat	NA .	N.C
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	7.0	Santa San		ili. Santa da Lagrada		
.1. Emergency Response Training (detail) Do	es the process	include tr	aining of the a	appropriate	operating	personn
o assure they are knowledgeable of the emergency procedure detail)	es and verifying	g that the	training is effe	ective? (EP	ERG.TRAII	VING.P)
92.615(b)(2)	Sat+	Sat	Concern	Unsat	NA	NC
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lotes						
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.2. Emergency Response Performance (deta ctivities to determine whether the procedures were effective	il) Does the p	rocess inc ach emerg	lude detailed s gency? (EP.ER	steps for re G.POSTEVI	eviewing en NTREVIEW.	<i>nployee</i> P) (detai
.2. Emergency Response Performance (deta ctivities to determine whether the procedures were effective) 92.615(b)(3)	il) Does the p ly followed in e	rocess inco ach emerg Sat	lude detailed s jency? (EP.ER	G.POSTEV!	NTREVIEW.	nployee P) (deta N C
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92.616(a) (API RP 1162 Section 2.5; API RP 1162 Section 7.1)	Sat+	Sat	Concern	Unsat	NA	NC
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Votes						P3 - N.1
3. Asset Identification (detail) Does the program clean cluded in the program, along with the unique attributes and char						be
92.616(b) (API RP 1162 Section 2.7 Step 4)	Sat+	Sat	Concern	Unsat	NA	NC
		×	19.	(-2" , 1")		
Notes					E Ti	*/5
4. Audience Identification (detail) Does the program four affected stakeholder audience groups: (1) affected public, (2, as well as affected municipalities, school districts, businesses, and) emergenc	y officials,	(3) local publ	lic officials,		
192.616(d) (192.616(e); 192.616(f); API RP 1162 Section 2.2; API RP 1162 Section 3)	Sat+	Sat	Concern	Unsat	NA	NC
		×	12 4.5	1 - 100		
messages, delivery methods, and delivery frequencies to compreh where gas is transported? (PD.PA.MESSAGES.P) (detail) 192.616(c) (API RP 1162 Section 3; API RP 1162 Section 4; API RP 1162 Section 5)	Sat+	ach all af	Concern	Unsat	ces in all a	nc NC
나이 아이들의 남의 사람들은 그 가게 살아 먹다.				x	- 15-1-	
Notes The baseline public awareness message was not being sent to the 6. Consideration of Supplemental Enhancement	s (detai	i) Were	relevant factor	s considered	d to deter	
need for supplemental public awareness program enhancements ((PD.PA.SUPPLEMENTAL.P) (detail)		-	tipe of a fair territory and the state of the state of the state of			
	Sat+	Sat	Concern	Unsat	NA	NC
(PD.PA.SUPPLEMENTAL.P) (detail)	Sat+	Sat x	Concern	Unsat	NA	NC
(PD.PA.SUPPLEMENTAL.P) (detail)	Sat+		Concern	Unsat	NA	NC
(PD.PA.SUPPLEMENTAL.P) (detail) 192.616(c) (API RP 1162 Section 6.2)	that mater	x ials and n	nessages be pi	rovided in o	ther langu	ages
(PD.PA.SUPPLEMENTAL.P) (detail) 192.616(c) (API RP 1162 Section 6.2) Notes 7. Other Languages (detail) Does the program require commonly understood by a significant number and concentration (PD.PA.LANGUAGE.P) (detail)	that mater	x ials and n	nessages be pi	rovided in o	ther langu	ages
(PD.PA.SUPPLEMENTAL.P) (detail) 192.616(c) (API RP 1162 Section 6.2) Notes 7. Other Languages (detail) Does the program require commonly understood by a significant number and concentration	that mater of non-Eng	× ials and n	nessages be pi	rovided in ones in the ope	ther languerator's ar	ages eas?

2. Management Support of Public Awareness Program (detail) Does the operator's program documentation



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. Master Meter and Petroleum Gas Systems (c	letail) Do	es the ma	ster meter or	petroleum <u>.</u>	gas system) .
perator's process meet the requirements of 192.616(j)? (PD.PA 92.616(j) (192.616(h))	Sat+	Sat	Concern	Unsat	NA	NC
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rocedures - Failure Investigatio	nn					
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Incident Investigation (detail) Does the process	include proc	edures for	analyzing acc	dents and	failures, ir	ncludin
e selection of samples of the failed facility or equipment for lab termining the causes of the failure and minimizing the possibil	oratory examity of recurre	mination, . ence? (EP.	where approp ERG.INCIDEN	<i>riate, for th</i> TANALYSIS	<i>ie purpose</i> S.P) (detail	of }
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rocedures - MAOP Maximum Allowable Operating pressure Det	erminati	on (det	ail) Does the	e process ir 92.619?	nclude proc	sedures
rocedures - MAOP Maximum Allowable Operating pressure Determining the maximum allowable operating pressure for a plu O.GOMAOP.MAOPDETERMINE.P) (detail)	erminati peline segme	on (det int in acco	ail) Does the rdance with 1	e process in 92.619?	nclude proc	
rocedures - MAOP Maximum Allowable Operating pressure Determining the maximum allowable operating pressure for a plus of the maximum allowable operating pressure for a plus operation ope	erminati peline segme Sat+	on (det ent in acco Sat	ail) Does the rdance with 1	e process ir 92.619? Unsat	nclude proc	e ja
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rocedures - MAOP Maximum Allowable Operating pressure Det termining the maximum allowable operating pressure for a pla 0.GOMAOP.MAOPDETERMINE.P) (detail) 2.605(b)(1) (192.619(a); 192.619(b); 192.621(a); 2.621(b); 192.623(a); 192.623(b))	eline segme	nt in acco	rdance with 1	92.619?		e ja
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rocedures - MAOP Maximum Allowable Operating pressure Det termining the maximum allowable operating pressure for a plp O.GOMAOP.MAOPDETERMINE.P) (detail) 2.605(b)(1) (192.619(a); 192.619(b); 192.621(a); 2.621(b); 192.623(a); 192.623(b)) otes rocedures - Pressure Test Test Acceptance Criteria and Procedures (desure the basis for an acceptable pressure test? (AR,PTI.PRESS	Sat+	Sat X e test acce	Concern	92.619? Unsat	NA	N C
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Procedures - Odorization Of Gas

1. Odorization of Gas (detail) Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with \$192,6257 (MQ.GOODOR.QDORIZE.P) (detail)

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192.605(b)(1) (192.625(a); 192.625(b)	; 192.625(c);	Sat+ Sat	Concern Unsa	NA NC
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Procedures - Tapping Pipelines Under Pressure

1. Tapping Pipelines Under Pressure (detail) Is the process adequate for tapping pipelines under pressure? (AR,RMP,HOTTAP,P) (detail)

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2. Qualification of Personnel Tapping Pipelines under Pressure (detail) Does the process require taps on a pipeline under pressure (hot taps) to be performed by qualified personnel? (TQ.QU.HOTTAPQUAL.P) (detail)

192.627 (192.805(b))	Sat+ Sat Concern Unsat NA NC

Notes



Procedures - Pipeline Purging

1. Pipeline Purging (detail) Does the process include requirements for purging of pipelines in accordance with 192.629? (MO.GOODOR.PURGE.P) (detail)

192.605(b)(1) (192.629(a); 192.629(b))	Sat+ Sat	Concern	Unsat	NA NC	
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Procedures - Control Room Management

See separate Control Room Management question set.

Procedures - Transmission Lines - Patrolling & Leakage Survey

2.705(a) (192.705(b); 192.705(c))	Sat+	Sat	Concern	Unsat	. NA	NC
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otés						
Leakage Surveys (detail) Does the process require I	eakage sun	veys to be	conducted? (PD.RW.LEA	KAGE P) (detail) "
2.706 (192.706(a); 192.706(b))	Sat+	Sat	Concern	Unsat*	NA.	NC
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rocedures - Distribution System	Datro	lli a a	R Park			
ocedies - Distribution System	FALLU		X Lean	196 31		
Distribution System Leakage Surveys (detail kage surveys to be conducted? (PD.RW.DISTLEAKAGE.P) (detail) Does the il)	process re	equire distribu	ıtlon systen	n patrolling	and '
2.721 (192.721(a); 192.721(b); 192.723(a); 192.723(b))	Sat+	Sat	Concern	Unsat	ΝA	NC
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rocedures - Line Marker						
rocedures - Line Marker ROW Markers Requirements (detail) Does the p	rocess adec	quately co	ver the requir	ements for	placement	of RO
ROW Markers Requirements (detail) Does the parkers? (PD.RW.ROWMARKER.P) (detail) 2.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best						1.
ROW Markers Requirements (detail) Does the pricers? (PD.RW.ROWMARKER.P) (detail) 2.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice	rocess adec	quately co Sat	ver the requir	ements for	placement N A	1.
ROW Markers Requirements (detail) Does the pockers? (PD.RW.ROWMARKER.P) (detail) .707(a) (192,707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice						1.
ROW Markers Requirements (detail) Does the prkers? (PD.RW.ROWMARKER.P) (detail) 2.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0)		Sat				1.
ROW Markers Requirements (detail) Does the prkers? (PD.RW.ROWMARKER.P) (detail) 2.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0)		Sat				1.
ROW Markers Requirements (detail) Does the prkers? (PD.RW.ROWMARKER.P) (detail) 2.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0)		Sat				1.
ROW Markers Requirements (detail) Does the pokers? (PD.RW.ROWMARKER.P) (detail) .707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0)	Sat+	Sat				-: <u>-: .</u>
ROW Markers Requirements (detail) Does the parkers? (PD.RW.ROWMARKER.P) (detail) .707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0)	Sat+	Sat				-: <u>-: .</u>
ROW Markers Requirements (detail) Does the parkers? (PD.RW.ROWMARKER.P) (detail) 1.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0) 1.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0)	sat+	sat × oing	Concern	Unsat	NA	NC
ROW Markers Requirements (detail) Does the process (PD.RW.ROWMARKER.P) (detail) 7.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best ctices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 0) Stes Cocedures - Transmission Record Record (detail) Ecord of each pipe/"other than pipe" repair, NDT required record	Sat+	sat × Ding	Concern.	Unsat	N A	N C
ROW Markers Requirements (detail) Does the parkers? (PD.RW.ROWMARKER.P) (detail) 2.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best edictices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 2-5; CGA Best Practice 2-5; CGA Best Practic	Sat+	sat × Ding	Concern.	Unsat	N A	n C



Procedures - Transmission Field Repair

1. Transmission Lines Permanent Field Repair of Defects (detail) is the process adequate for the permanent field repair of defects in transmission lines? (AR.RMP.FIELDREPAIRDEFECT.P) (detail) Sat+ Unsat 192.605(b)(1) (192.713(a); 192.713(b)) Sat Concern NA . Notes 2. Transmission Lines Permanent Field Repair of Welds (detail) Is the process adequate for the permanent field repair of welds? (AR.RMP.FIELDREPAIRWELDS.P) (detail) 192.605(b) (192.715(a); 192.715(b); 192.715(c)) Sat+ Concern Unsat ŃΑ Notes 3. Transmission Lines Permanent Field Repair of Leaks (detail) is there an adequate process for the permanent field repair of leaks on transmission lines? (AR.RMP.FIELDREPAIRLEAK.P) (detail) 192.605(b) (192.717(a): 192.717(b)) Sat+. Sat Concern Unsat NA: NC X Notes 4. Transmission Lines Testing of Repairs (detail) is the process adequate for the testing of replacement pipe and repairs made by welding on transmission lines? (AR.RMP.WELDTEST.P) (detail) 192.605(b) (197.719(a); 197.719(b)) NC Notes-Procedures - Test Requirements For Reinstating Service Lines 1. Test Reinstated Service Lines (detail) is the process adequate for the testing of disconnected service lines? (AR.RMP.TESTREINSTATE.P) (detail) 192.605(b) (197.725(a); 197.725(b)) Sat+ Sat Concern Unsat Notes

Procedures - Abandonment Or Deactivation Of Facilities

92.605(b)(1) (192.727(a); 192.727(b); 192.727(c); 92.727(d); 192.727(e); 192.727(f); 192.727(g))	Sat+	Sat	Concern	Unsat	NA	NC
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rocedures - Pressure Limiting A	And Rec	ıulati	na Stat	ion	Constant Heek	
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Pressure Limiting and Regulating Stations occurres for inspecting and testing each pressure limiting studyment at intervals not exceeding 15 months, but at least of the contract of the contr	tation, rellef de	vice, and	pressure regu	lating stati	on and the	r_i
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92.605(b)(1) (192.739(a); 192.739(b))	Sat+	Sat	Concern	Unsat	NA	NC
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Pressure Telemetering or Recording Gauge	es (detail)	Does the	process requi	e telemete	ring or rec	ordina .
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iges be utilized as required for distribution systems? (MO.G	MOPP.PRESSR	LOPILIER	ry (decan)	· · · · · · · · · · · · · · · · · · ·		<u> </u>
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uges be utilized as required for distribution systems? (MO.G 2.605(b)(1) (192.741(a); 192.741(b); 192.741(c))				Unsat	NA	NĊ
2.605(b)(1) (192.741(a); 192.741(b); 192.741(c))		Sat			NA	NC
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Pressure Limiting and Regulating Stations lude procedures for ensuring, either by testing or a review of the calendar year, that the capacity of each pressure retions has sufficient capacity, and for installing a new or additionally? (MO.GMOPP.PRESSREGCAP.P) (detail)	Sat+ Capacity (of calculations, elief device at p	Sat X Of Relie at interversessure li	Concern f Devices als not exceed miting station	(detail) ing 15 mores and press	Does the poths, but at	rocess least ting cient
2.605(b)(1) (192.741(a); 192.741(b); 192.741(c)) otes Pressure Limiting and Regulating Stations lude procedures for ensuring, either by testing or a review of the each calendar year, that the capacity of each pressure re- titions has sufficient capacity, and for installing a new or add to bacity? (MO.GMOPP.PRESSREGCAP.P) (detail)	Sat+ Capacity of calculations, elief device at partitional device	Sat X Df Relie at interve pressure li if a relief o	f Devices (als not excéed miting station device is deter	(detail) ing 15 mores and pressemined to h	Does the p nths, but at sure regula ave insuffic	rocess least ting cient
2.605(b)(1) (192.741(a); 192.741(b); 192.741(c)) otes Pressure Limiting and Regulating Stations lude procedures for ensuring, either by testing or a review of ce each calendar year, that the capacity of each pressure relations has sufficient capacity, and for installing a new or additional procedures (MO.GMOPP.PRESSREGCAP.P) (detail) 2.605(b)(1) (192.743(a); 192.743(b); 192.743(c))	Capacity of calculations, elief device at partitional device	Sat X Df Relie at interva pressure li if a relief (f Devices als not exceed miting station device is deter	(detail) ing 15 mores and pressemined to h Unsat	Does the p ths, but at sure regula ave insuffic	rocess least ting cient
2.605(b)(1) (192.741(a); 192.741(b); 192.741(c)) otes Pressure Limiting and Regulating Stations induce procedures for ensuring, either by testing or a review of cee each calendar year, that the capacity of each pressure residents has sufficient capacity, and for installing a new or additionally? (MO.GMOPP.PRESSREGCAP.P) (detail) 2.605(b)(1) (192.743(a); 192.743(b); 192.743(c))	Capacity of calculations, elief device at partitional device	Sat X Df Relie at interva pressure li if a relief (f Devices als not exceed miting station device is deter	(detail) ing 15 mores and pressemined to h Unsat	Does the p ths, but at sure regula ave insuffic	rocess least ting cient
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Pressure Limiting and Regulating Stations dude procedures for ensuring, either by testing or a review of each calendar year, that the capacity of each pressure retions has sufficient capacity, and for installing a new or additional and the capacity? (MO.GMOPP.PRESSREGCAP.P) (detail) 2.605(b)(1) (192.743(a); 192.743(b); 192.743(c)) otes	Sat+ Capacity Cof calculations, ellef device at platitional device Sat+	Sat X Of Relie at interverssure li if a relief of Sat X	f Devices als not exceed miting station device is deter	(detail) ing 15 mores and pressemined to h Unsat	Does the p ths, but at sure regula ave insuffic	rocess least ting cient
Pressure Limiting and Regulating Stations lude procedures for ensuring, either by testing or a review of ce each calendar year, that the capacity of each pressure retions has sufficient capacity, and for installing a new or additionally? (MO.GMOPP.PRESSREGCAP.P) (detail) 2.605(b)(1) (192.743(a); 192.743(b); 192.743(c)) potes rocedures - Valve And Vault Maintenance Transmission Lines (detailly operating each transmission line valve that might be least once each calendar year and for taking prompt remediations.	Sat+ Capacity (of calculations, elief device at p ditional device Sat+ Sat+ Does to required in an	Sat X Of Relie at intervioressure li if a relief of X NCE The process emergence	f Devices als not exceed miting station device is deter	(detail) ing 15 more s and press mined to h Un sat	Does the paths, but at sure regular ave insuffice NA	rocess least ting sient NC
2.605(b)(1) (192.741(a); 192.741(b); 192.741(c)) otes Pressure Limiting and Regulating Stations lude procedures for ensuring, either by testing or a review of ce each calendar year, that the capacity of each pressure relations has sufficient capacity, and for installing a new or additional procedures (MO.GMOPP.PRESSREGCAP.P) (detail) 2.605(b)(1) (192.743(a); 192.743(b); 192.743(c))	Sat+ Capacity (of calculations, elief device at p ditional device Sat+ Sat+ Does to required in an	Sat X Of Relie at intervioressure li if a relief of X NCE The process emergence	f Devices als not exceed miting station device is deter	(detail) ing 15 more s and press mined to h Un sat	Does the paths, but at sure regular ave insuffice NA	rocess least ting sient NC



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Vault Inspection (detail) Does the process process process process process process process process to the process proc	more that	t house pre	ssure regi	uating/limitin	ults having g equipme	a volumet nt and are	ric
ections to be performed at the required interval? (FS .605(b)(1) (192.749(a); 192.749(b); 192.749(c);	.FG.VAUL	44. 38. 6	CARRY MILLER	CONTRACT.			
.749(d))	#1.3627 17.53.KT	Sat+	- Sat	Concern	Unsat	NA.	NC.
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ocedures - Prevention Of A	ccide	meal 1					
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			Zinda.				
Prevention of Accidental Ignition (detailed	ail) Does	s the manu	al Include	procedures fo		ng the dang	jër of
Prevention of Accidental Ignition (det	ail) Does	s the manu	al Include	procedures fo		ng the dang	er of
Prevention of Accidental Ignition (detributed in the Ignition of Accidental Ignition where gas constitutes a hazard of fire 2.605(b)(1) (192.751(a); 192.751(b); 192.751(c))	ail) Does	the manualion? (MO.0	al include SM.IGNITI	procedures fo ON.P) (detail)			
Prevention of Accidental Ignition (detailement of fire	ail) Does	the manualion? (MO.0	al include M.IGNITI Sat	procedures fo ON.P) (detail)			
Prevention of Accidental Ignition (detributed in the Ignition of Accidental Ignition where gas constitutes a hazard of fire 2.605(b)(1) (192.751(a); 192.751(b); 192.751(c))	ail) Does	the manualion? (MO.0	al include M.IGNITI Sat	procedures fo ON.P) (detail)			
Prevention of Accidental Ignition (detailed in the property of	ail) Does or explos	s the manu- ion? (MO.C Sat+	al include SM.IGNITIO Sat X	procedures fo ON.P) (detail)			
Prevention of Accidental Ignition (detributed in the Ignition of Accidental Ignition where gas constitutes a hazard of fire 2.605(b)(1) (192.751(a); 192.751(b); 192.751(c))	ail) Does or explos	s the manu- ion? (MO.C Sat+	al include SM.IGNITIO Sat X	procedures fo ON.P) (detail)			
Prevention of Accidental Ignition (detailental ignition where gas constitutes a hazard of fire 2.605(b)(1) (192.751(a); 192.751(b); 192.751(c)) otes rocedures - Caulked Bell An	ail) Does or explos d Spi	s the manuion? (MO.C. Sat+	al include SM IGNITI Sat X	procedures fo ON.P) (detail) Concern	Unsat	NA.	NC
Prevention of Accidental Ignition (detailed in the property of	ail) Does or explos d Spi	s the manuion? (MO.C. Sat+	al include SM IGNITI Sat X	procedures fo ON.P) (detail) Concern	Unsat	NA.	NC
Prevention of Accidental Ignition (detailental ignition where gas constitutes a hazard of fire 2.605(b)(1) (192.751(a); 192.751(b); 192.751(c)) Potes TOCEDURES - Caulked Bell An Bell and Spigot Joints (detail) Does the p	ail) Does or explos d Spi	s the manuion? (MO.C. Sat+	al include SM IGNITI Sat X	procedures fo ON.P) (detail) Concern	Unsat	NA.	NC



Procedures - Protecting Cast-Iron Pipeline

192.303 (192.229(a); 192.229(b); 192.229(c); 192.229(d))

2.755(a) (192.755(b))	. [Sat+	Sat 🖔	Concern	Unsat	NA	NC
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rocedures - Welding And Wel	ld D	efect	Repa	ir/Rem	oval		
Welding Procedures (detail) Does the procedures and are welding procedures and qualify C.WELDPROCEDURE.WELD.P) (detail)	ss requi ying tes	ire welding ts required	to be per to be rec	formed by qua orded in detail	alified welde 17	ers using (jualifie
2.225(a) (192.225(b))	· * *	Sat+	Sat	Concern	Unsat	NA	Ň
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welding procedures 2. Qualification of Welders (detail) Does the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONS)	T.WELD	ER.P) (deta	ail)	ب مدان الم			1.
welding procedures 2. Qualification of Welders (detail) Does the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONS)	T.WELD			Concern	in accordar Unsat	nce with A	1.
welding procedures 2. Qualification of Welders (detail) Does to ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONS) 2.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328	T.WELD	ER.P) (deta	ail)	ب مدان الم			PI 110
welding procedures 2. Qualification of Welders (detail) Does to ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONS) 2.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328 otes	T.WELD 8(b))	ER.P) (déta Sat+,	ail)	Concern			١,
velding procedures 2. Qualification of Welders (detail) Does to ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONST) 2.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328 otes welding performed in last few years. Welding procedure Qualification of Welders for Low Stress low stress pipe on lines that operate at < 20% SMYS to operform welding on service line connection to a main in Q.QUOMCONST.WELDERLOWSTRESS.P) (detail)	Pipe (ER.P) (detail)	Does the	Concern x process required to for a second to the second t	Unsat re welders C to Part 1	NA who perfor	N well
welding procedures 2. Qualification of Welders (detail) Does the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONST). 2.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(a)	Pipe (ER.P) (detail)	Does the	Concern x process required to for a second to the second t	Unsat re welders C to Part 1	NA who perfor	m welde weld 192?
welding procedures 2. Qualification of Welders (detail) Does the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONST). 2.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328(a)	Pipe (ER P) (deta Sat+ ed. (detail) lifted under	Does the	Concern x process required of Appendix of Section II of Appendix	Unsat re welders C to Part 1:	NA who perfoi 92, and ar C to Part	m welde weld
welding procedures 2. Qualification of Welders (detail) Does the ASME Boiler & Pressure Vessel Code? (TQ.QUOMCONST) 2.227(a) (192.225(a); 192.225(b); 192.328(a); 192.328 Dates Welding performed in last few years. Welding procedure Qualification of Welders for Low Stress low stress pipe on lines that operate at < 20% SMYS to a perform welding on service line connection to a main in the stress line c	Pipe (ER P) (deta Sat+ ed. (detail) lifted under	Does the	concern x process required for Appendix of Section II of Concern	Unsat re welders C to Part 1:	NA who perfoi 92, and ar C to Part	m welde weld 192?

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92.303 (192.231)	Sat+	Sat	Concern	Unsat	NA	NC
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lotes	CONTRACTOR CONTRACTOR	PROPERTY SEPTEMBER	MANIENTONIA COMPANIENTO POR CACO	lamon more mentioned	According to the Second Service	AN HAZING THE REAL PROPERTY.
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 Miter joints (detail) Does the process prohibit the use detail) 	of certain r	niter joint	s? (DC.WELDF	ROCEDURE	.MITERJO	(NT.P)
92.303 (192.233(a); 192.233(b); 192.233(c))	Sat+	Sat	Concern	Unsat	NA	NC
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Notes						
				125 48		8 .

7. Preparation for Welding (detail) Does the proces 192.2357 (DC.WELDPROCEDURE.WELDPREP.P) (detail)	s require ce	ertain prep	parations for w	relding, in a	ccordance	with
92.303 (192.235)	Sat+	Sat	Concern	Unsat	NA	NC
32.303 (232.233)			×			
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Committee of the Commit		1000	3.44	f traffic	ga 1, 25 i	
3. Inspection and Test of Welds (detail) Does the qualified inspectors? (DC.WELDINSP.WELDVISUALQUAL.P) (detail	process re	quire visu	al inspections	of welds to	be conduc	ted by
192.303 (192.241(a); 192.241(b); 192.241(c))	Sat+	Sat	Concern	Unsat	N.A.	NC.
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Donair or Domerral of Wold Defeate (detail)	Joes the pro	PAIR.P) (d	uire weias that letail)	are unacce	ptable to l	be .
 Repair or Removal of Weld Defects (detail) to emoved and/or repaired as specified by 192.245? (DC.WELDINS) 	P.WELDKE					-
9. Repair or Removal of Weld Defects (detail) to removed and/or repaired as specified by 192.245? (DC.WELDINS 192.303 (192.245(a); 192.245(b); 192.245(c))	Sat+	Sat	Concern	Unsat	NA	NC
removed and/or repaired as specified by 192.245? (DC.WELDINS	1	Sat	Concern	Unsat	NA	NC
removed and/or repaired as specified by 192.245? (DC.WELDINS	1	Sat	·	Unsat	NA	NC
removed and/or repaired as specified by 192.245? (DC.WELDINS 192.303 (192.245(a); 192.245(b); 192.245(c))	1	Sat	·	Unsat	NA	NC



Procedures - Joining Of Pipeline Materials

72.303 (192.273(b); 192.281(a); 192.281(b); 192.281 72.281(d); 192,281(e))	l(c);	Sat+	Sat	Concern	Unsat	NA	NC
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Plastic pipe - Qualifying Joining Proce be qualified in accordance with §192.283, prior to ma	aures (iking plast	cetau) <i>L</i> ic pipe joint	loes the p ls? (DC.C	rocess require O.PLASTICJOI	e <i>piąstic pip</i> NTPROCED!	<i>e joining pi</i> URE.P) (del	<i>roceau</i> tail)
92.273(b) (192.283(a); 192.283(b); 192.283(c); 192.			Sat	1 THE R. P. LEWIS CO., LANSING, MICH.	, , , , , , , , , , , , , , , , , , , ,	NA	NC
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lotes					10.14	Early a Profit Contraction	•
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Plastic pipe - Qualifying Joining Proce ints in plastic pipelines are qualified? (DC.CO.PLASTIC	idures (JOINTOUA	detail) I L.P) (detail	s a proce.)	ss in place to o	ensure that	personnel	makin
22.285(d) (192.285(a); 192.285(b); 192.285(c); 192.	·	Sat+	Sat	Concern	Unsat	NA ·	NC
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lotes					 		
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. Qualification of Personnel Inspecting						cess in plac	e to
sure that persons who inspect joints in plastic pipes a				OINTINSP.P) (detail)	cess in plac	/
sure that persons who inspect joints in plastic pipes a		d? (DC.CO.	PLASTICI	OINTINSP.P) (detail)	in sky i	e to
sure that persons who inspect joints in plastic pipes a. 12.287 (192.805(h))		d? (DC.CO. Sat+	PLASTICI Sat	OINTINSP.P) (detail)	in sky i	, ;
sure that persons who inspect joints in plastic pipes a 2.287 (192.805(h))		d? (DC.CO. Sat+	PLASTICI Sat	OINTINSP.P) (detail)	in sky i	/
sure that persons who inspect joints in plastic pipes a 2.287 (192.805(h))		d? (DC.CO. Sat+	PLASTICI Sat	OINTINSP.P) (detail)	in sky i	/
sure that persons who inspect joints in plastic pipes a. 12.287 (192.805(h)) otes	re qualifie	d? (DC.CO. Sat+	PLASTICI Sat	OINTINSP.P) (detail)	in sky i	, ;
sure that persons who inspect joints in plastic pipes a. 2.287 (192.805(h)) otes	re qualifie	d? (DC.CO. Sat+	PLASTICI Sat	OINTINSP.P) (detail)	in sky i	/ \$
sure that persons who inspect joints in plastic pipes a. 2.287 (192.805(h)) otes rocedures - Corrosion Contr	re qualifie	dr (DC.CO. Sat+	PLASTICU Sat χ	OINTINSP.P) (Concern	detall) Unsat	NA	N
rocedures - Corrosion Control Corrosion Control Personnel Qualifica	rol	dr (DC.CO. Sat+	PLASTICU Sat X	Concern Coss require of	detall) Unsat	NA	N
rocedures - Corrosion Conti Corrosion Control Personnel Qualifica carried out by, or under the direction of, qualified pe	rol	dr (DC.CO. Sat+	PLASTICU Sat X	Concern Coss require of	detall) Unsat orrosion con	NA	No
rocedures - Corrosion Conti Corrosion Control Personnel Qualificate carried out by, or under the direction of, qualified per	rol	dz (DC.CO. Sat+ Ptail) Doe TQ.QU.COR	Sat x sethe pro	Concern Concern cess require concern (detail)	detall) Unsat orrosion con	NA	N (
rocedures - Corrosion Conti Corrosion Control Personnel Qualificate Carried out by, or under the direction of, qualified per	rol	dz (DC.CO. Sat+ Ptail) Doe TQ.QU.COR	Sat x ss the programmer of t	cess require copy (detail)	orrosion col	NA	No
Procedures - Corrosion Continues of Corrosion Continues of Corrosion Control Personnel Qualificate Corrosion Control Personnel Qualified per corried out by, or under the direction of, qualified per corried (192.805(b))	rol	dz (DC.CO. Sat+ Ptail) Doe TQ.QU.COR	Sat x ss the programmer of t	Concern Concern cess require concern (detail)	orrosion col	NA	NO
rocedures - Corrosion Control Corrosion Control Corrosion Control Personnel Qualification of, qualified per 2.453 (192.805(b))	rol tion (de rsonnei? (etail) Doe TQ.QU.COR	Sat x x sthe procession. Sat x	cess require of (detail)	detall) Unsat orrosion con Unsat	NA NA	dures
Procedures - Corrosion Control Corrosion Control Personnel Qualificate carried out by, or under the direction of, qualified personnel (192.805(b)) Cotes Corrosion Control Personnel Qualificate carried out by, or under the direction of, qualified personnel (192.805(b)) Cotes New Buried Pipe Coating (detail) Does by 31, 1971, be protected against external corrosion of	rol tion (dersonnei?)	etail) Doe TQ.QU.COR Sat+	Sat x sthe procession. Sat x hat each	cess require of p) (detail) Concern	detall) Unsat Orrosion con Unsat	NA NA	dures
rocedures - Corrosion Control Corrosion Control Corrosion Control Personnel Qualification of, qualified per 2.453 (192.805(b))	rol tion (dersonnei?)	etail) Doe TQ.QU.COR Sat+	Sat x sthe procession. Sat x hat each	cess require of p) (detail) Concern	detall) Unsat Orrosion con Unsat	NA NA	dures
corrosion Control Personnel Qualification of, qualified persons (192.805(b)) Corrosion Control Personnel Qualification of the direction of, qualified personnel (192.805(b)) Otes New Buried Pipe Coating (detail) Does by 31, 1971, be protected against external corrosion of the direction of the	re qualifie tion (de risonnel? (etail) Doe TQ.QU.COR Sat+	Sat x sthe procession. Sat x hat each	cess require of p) (detail) Concern	detall) Unsat Orrosion con Unsat	NA NA	dures



dequate coating unless exempted by 192.455(b)? (TD.COAT.CO 92.605(b)(2) (192.452(a); 192.455(a); 192.455(b);						
92.461(a))	Sat+	Sat	Concern	Unsat	NA	NC
		X		CONTRACTOR OF STREET, ST. CO.	week to the Paris	NO THE PURPOR
lotes						
. Cathodic Protection post July 1971 (detail) Installed after July 31, 1971, be protected against external corresponding of construction, conversion to service, or becoming ju	sion with a c	athodic p	rotection syste	m within 1	year after	
92.605(b)(2) (192.455(a); 192.457(a); 192.452(a); 92.452(b))	Sat+	Sat	Concern	Unsat	NA	NC
		×		1	***	
Notes		1,12				
5. Use of Aluminum (detail) Does the process give ad puried pipeline? (TD.CP.ALUMINUM.P) (detail)	equate guida	nce for t	he installation	of aluminun	n in a sub	merged o
L92.605(b)(2) (192.455(e))	Sat+	Sat	Concern	Unsat	NA	NC
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) Does the	process re	equire that pip	elines instal	lled before	. August
5. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare or in compressor, regulator or meter stations must be cathodically	ineffectively	coated t	ransmission li	nes or 2) ba	re or coat	ed pipes
5. Cathodic Protection pre August 1971 (detail 971 (except for cast and ductile iron lines) which are 1) bare of a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail)	ineffectively	coated t	ransmission li	nes or 2) ba rosion is fou	re or coat	ed pipes
5. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare of a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail)	ineffectively protected in	coated t areas wh	transmission li ere active corr	nes or 2) ba rosion is fou	re or coat nd in acco	red pipes ordance
6. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare of an compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b)) Notes	ineffectively protected in	coated to areas wh	transmission li ere active corr	nes or 2) ba rosion is fou	re or coat nd in acco	red pipes ordance
5. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare on a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b)) Notes 7. Examination of Exposed Portions of Buried	Sat+	Sat x	Concern State of the concern of the	nes or 2) ba rosion is fou Unsat	re or coat nd in acco	ed pipes ordance NC
5. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare on a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b)) Notes 7. Examination of Exposed Portions of Buried I buried pipeline must be examined for external corrosion? (TD.CR	Sat+	Sat x	Concern State of the concern of the	unes or 2) barosion is fou	re or coat nd in acco	ed pipes ordance NC
6. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare of a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b))	Sat+ Pipe (det	coated tareas when Sat x	Concern Concern sthe process SPECT.P) (deta	unes or 2) barosion is fou	re or coat nd in acco NA	ned pipes ordance NC
6. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare of a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b)) Notes 7. Examination of Exposed Portions of Buried I buried pipeline must be examined for external corrosion? (TD.CR	Sat+ Pipe (det	Sat x ail) Doe XPOSEINS Sat	Concern Concern sthe process SPECT.P) (deta	unes or 2) barosion is fou	re or coat nd in acco NA	ned pipes ordance NC
6. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare on an compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b)) Notes 7. Examination of Exposed Portions of Buried I buried pipeline must be examined for external corrosion? (TD.CP. 192.605(b)(2) (192.459) Notes 8. Further Examination of Exposed Portions of	Sat+ Pipe (det EXPOSED.E. Sat+	sat x ail) Doe XPOSEINS Sat x	Concern Sthe process SPECT.P) (detail) Does to	unsat Unsat Unsat Unsat Unsat Unsat	ne or coat nd in acco NA exposed	NC NC
6. Cathodic Protection pre August 1971 (detail 1971 (except for cast and ductile iron lines) which are 1) bare of a compressor, regulator or meter stations must be cathodically with Subpart I or Part 192? (TD.CP.PRE1971.P) (detail) 192.605(b)(2) (192.457(b)) Notes 7. Examination of Exposed Portions of Buried I buried pipeline must be examined for external corrosion? (TD.CF 192.605(b)(2) (192.459)	Sat+ Pipe (det EXPOSED.E. Sat+	sat x ail) Doe XPOSEINS Sat x	Concern Sthe process SPECT.P) (detail) Does to	require that unsat Unsat Unsat Unsat Unsat	ne or coat nd in acco NA exposed	NC NC



92.605(b)(2) (192.463(a); 192.463(c))	Sat+	Sat	Concern	Unsat	N A	N C
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O. Cathodic Protection of Amphoteric Metals (on the children of the children o						
92.605(b)(2) (192.463(b); 192.463(c))	Sat+	Sat	Concern	Unsat	NA	NC
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otes						
L. Cathodic Protection Monitoring (detail) Does	the proces	s adequat	ely describe h	ow to moni	tor CP that	has b
2.605(b)(2) (192,465(a))	Sat+	Sat	Concern	Unsat	NA	N'
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2. Rectifiers or other Impressed Current Sourcetrical checks of rectifiers or Impressed current sources? (TD.C.	es (deta	ail) Does	the process of TEST.P) (deta	iive sufficie II)	nt details f	or ma
2. Rectifiers or other Impressed Current Source ctrical checks of rectifiers or Impressed current sources? (TD.Cl 2.605(b)(2) (192.465(b))	es (detainment) MONITOR Sat+	CURRENT	Concern	il) Unsat	nt details f	
ctrical checks of rectifiers or impressed current sources? (TD.C 2.605(b)(2) (192.465(b))	MONITOR	.CURRENT	TEST.P) (deta	il) Unsat		
ctrical checks of rectifiers or Impressed current sources? (TD.C	MONITOR	CURRENT	Concern	il) Unsat		
ctrical checks of rectifiers or Impressed current sources? (TD.Cl 2.605(b)(2) (192.465(b)) otes	MONITOR Sat+	CURRENT Sat	TEST.P) (deta	l() Unsat	NA	N
ctrical checks of rectifiers or Impressed current sources? (TD.Cl 2.605(b)(2) (192.465(b)) otes 3. Bonds, Diodes and Reverse Current Switche	MONITOR Sat+	CURRENT Sat X II) Does to	TEST.P) (deta	il) Unsat	NA details for	N mak
ctrical checks of rectifiers or Impressed current sources? (TD.Cl 2.605(b)(2) (192.465(b)) otes B. Bonds, Diodes and Reverse Current Switche ctrical checks of Interference bonds, diodes, and reverse curren	MONITOR Sat+	CURRENT Sat X II) Does to	TEST.P) (deta	il) Unsat Unsat e sufficient URRENTTE	NA details for	mak
ctrical checks of rectifiers or Impressed current sources? (TD.Cl 2.605(b)(2) (192.465(b)) otes B. Bonds, Diodes and Reverse Current Switche ctrical checks of Interference bonds, diodes, and reverse curren	MONITOR Sat+ s (detaint switches	Sat X II) Does to ? (TD.CPM	Concern Concern he process give	il) Unsat e sufficient	NA details for ST.P) (deta	mak
ctrical checks of rectifiers or impressed current sources? (TD.C 2.605(b)(2) (192.465(b))	MONITOR Sat+ s (detaint switches	CURRENT Sat X (I) Does to P (TD.CPM	TEST.P) (deta Concern he process given ONITOR REVO	il) Unsat e sufficient	NA details for ST.P) (deta	mak
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6. Isolation from Other Metallic Structures (d	etail) Doe	s the proc	ess aive adea	uate guida	nce for ele	ctrically
solating each buried or submerged pipeline from other metallic s	structures ur	less they	electrically int			
rotect the pipeline and the other structures as a single unit? (1) 92.605(b)(2) (192.467(a); 192.467(b); 192.467(c);	3 V		PARTIE VIVE	The state of the s	Market in Decree in the second	
92.467(d); 192.467(e))	Sat+	Sat	Concern	Unsat	NA	NC.
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17. Test Leads Installation (detail) Does the proce				in a second		
TD.CPMONITOR.TESTLEAD.P) (detail)	ss provide a	uequate in	structions for	une install	acion or tes	i ieaos?
192.605(b)(2) (192.471(a); 192.471(b); 192.471(c); 192.469)	Sat+	Sat	Concern	Unsat	N A	NC
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18. Interference Currents (detail) Does the process optential stray current so the detrimental effects of stray curren	s give suffici te can he mi	ent guldan nimized th	ce and detail	for identify	/ing areas	o f
TD.CPMONITOR.INTERCURRENT P) (detail)		A. NOW		وه بر الما		
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19. Internal Corrosion (detail) If the process does no process also require that the corrosive effect of the gas on the p	ot preciude : ipeline be in	corrosive g vestigated	ias to be tran: and steps be	sported by taken to r	pipeline, o ninimize in	loes the ternal
corrosion? (TD.ICP.CORRGAS.P) (detail)		· Yer Tribled	Section 1	r tig sili yi	y Agree	. NY 3
192.605(b)(2) (192.475(a))	Sat+	Sat	Concern	Unsat	NA	NC
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20. Internal Corrosion in Cutout Pipe (detail)	Dogo the see	coop dire-	• nama!			
evidence of internal corrosion? (TD.ICP.EXAMINE.P) (detail)	voes me pro	cess direc	L personnei to	examine i	emoved pi	pe ror
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.92.453 (192.476(a); 192.476(b); 192.476(c)) Notes		Sat	Concern	Unsat	'NA	NC
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22. Internal Corrosion Corrosive Gas Actions				quate direc	tion for ac	ions to
ne taken if corrosive gas is being transported by pipeline? (TD			1 1		:	N.C
92.605(b)(2) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC
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23. Atmospheric Corrosion (detail) Does the pro	cess give adeq	vate quida	nce for protec	ting above	ground pi	je from
tmospheric corrosion? (TD.ATM.ATMCORRODE.P) (detail)	N. T. SERVICE	A PARTY		为工學		
92.605(b)(2) (192.479(a); 192.479(b); 192.479(c))	Sat+	Sat	Concern	Unsat	NA	NC
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24. Atmospheric Corrosion Monitoring (detail boveground pipeline segments for atmospheric corrosion? (To 92.605(b)(2) (192.481(a); 192.481(b); 192.481(c))	Does the pr	rocess give RRODEINS Sat	adequate ins P.P) (detail) Concern	truction for Unsat	the inspe	tion of
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25. Repair of Corroded Pipe (detail) Does the pr	rocess give sufi	ficient guid	lance for pers	onnel to rej	pair or rep	ace pipe
hat has corroded to an extent that there is no longer sufficien				,		
02 4047-1 (402 4057-1, 402 40571), 402 4027-1, 402 4027-1)) Sat+	Sat	Concern	Unsat	NA	NC
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.92.491(c) (192.485(a); 192.485(b); 192.487(a); 192.487(b)	and the state of t		3	(
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Notes 26. Evaluation of Internally Corroded Pipe (d	Jetail) Does lly corroded? (Sat+	TD.ICP.EV	ss give sufficie ALUATE.P) (de Concern	ent guidance etail)		nnel to



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8. Corrosion Control Records (detail) Does the	process inclu	de records	requirements	for the cor	rosion cor	itrol
92.605(b)(2) (192.491(a); 192.491(b); 192.491(c))	Sat+	Sat	Concern	Unsat	NA	NC
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ield Review - Pipeline Inspection. Transmission Line Valve Spacing (detail) A DC.DPC.VALVESPACE.O) (detail)			ves being insta	illed as requ	uired of 19	2.1797
92.141 (192.179(a); 192.179(b); 192.179(c); 192.179(d))	Sat+	Sat	Concern	Unsat	NA	NC
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7. Placement of ROW Markers (detail) Are line man	kers place	d and mali	ntained as req	uired? (PD.	RW.ROWM	ARKER.
192.707(a) (CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)	Sat+	Sat	Concern	Unsat	NA	NC
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endoned offshore pipeline facilities or abandoned onshore pipeline waterway? (RPT.RR.NPMSABANDONWATER.R) (detail 2.727(g) otes Welding Procedures (detail) Do records indicate C.WELDPROCEDURE.WELD.R) (detail) 2.225(a) (192.225(b)) otes	Sat+	Sat.	Concern Concern Concern	Unsat	NA X ce with 19	N C
ecords - Construction Performa Welding Procedures (detail) Do records indicate C.WELDPROCEDURE.WELD.R) (detail) 2.225(a) (192.225(b)) otes	Sat+	Sat.	Concern Concern Concern	Unsat	NA X ce with 19	N C
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I. Inspection and Test of Welds (detail) Do record relding are qualified by appropriate training and experience, as re	equired by §	192.241	->- (
detail)	F-41	6-4	Cancarn	Harak T	N A	NC
92.241(a) (192.241(b); 192.241(c); 192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	NA	NC
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Votes					ž Š	
. Qualification of Nondestructive Testing Perso	nnel (de	o (liete	o records indic	ate the qua	lification (·F
ondestructive testing personnel? (TQ.QUOMCONST.NDT.R) (deta		ctuii, b	o records maic	ate the qua	micación	"
92.243(b)(2) (192.807(a); 192.807(b); 192.328(a); 92.328(b))	Sat+	Sat	Concern	Unsat	NA	NC
		x				
Notes	Scarce en economica de como de de	Resident adequations	NA THE WAY OF BUILDING STATES	नक कु सकत्त्व नकाइड शक्त कर इस्ता कर रहे. ज		- Transce - Automorphism
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5. Nondestructive Test and Interpretation Process adequate? (DC.WELDINSP.WELDNDT.R) (detail)	edures (detail)	Do records in	dicate that I	VDT imple	mentatio
.92.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))	Sat+	Sat	Concern	Unsat	NA	NC
		x				
5. Transmission Lines Record Keeping (detail)	Do records	indicate ti	hat records are	maintaine	d of each	2
5. Transmission Lines Record Keeping (detail) in hippe/"other than pipe" repair, NDT required record, and (as required MO.GM.RECORDS.R) (detail) 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b);	red by subp	indicate to	M) patrol, surv	rey, inspecti	on or test	Ţ
Notes 5. Transmission Lines Record Keeping (detail) is objective, which is provided that the pipe of the property of the property of the provided that the pipe of the	Do records red by subp	indicate ti	hat records are M) patrol, surv	rey, inspecti	NA	? NC
5. Transmission Lines Record Keeping (detail) in pipe/"other than pipe" repair, NDT required record, and (as required MO.GM.RECORDS.R) (detail) 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c))	red by subp	indicate to	M) patrol, surv	rey, inspecti	on or test	Ţ
5. Transmission Lines Record Keeping (detail) in hippe/"other than pipe" repair, NDT required record, and (as required MO.GM.RECORDS.R) (detail) 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b);	red by subp	indicate to	M) patrol, surv	rey, inspecti	NA	Ţ
6. Transmission Lines Record Keeping (detail) (bipe/"other than pipe" repair, NDT required record, and (as required MO.GM.RECORDS.R) (detail) 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c)) Notes 7. Plastic pipe - Qualifying Joining Procedures (Sat+	indicate to parts L or Sat	Concern	Unsat	NA X	NC
5. Transmission Lines Record Keeping (detail) in pipe/"other than pipe" repair, NDT required record, and (as required MO.GM.RECORDS.R) (detail) 192.605(b)(1) (192.243(f); 192.709(a); 192.709(b); 192.709(c)) Notes 7. Plastic pipe - Qualifying Joining Procedures (accordance with 192.283? (DC.CO.PLASTICJOINTPROCEDURE.R)	Sat+ (detail) (detail)	indicate that is a constant of the second of	Concern Concern	Unsat	NA X	NC
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92.287 (192.807(a); 192.807(b))	Sat+	Sat	Concern	Unsat	. NA⇒∠	N C
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O. Underground Clearance (detail) Do records indicated (if plastic) installed as to prevent heat damage to the pipe? (I				s in accord	lance with 1	92.325,
on (ir plastic) installed as to prevent heat damage to the piper (192.325(a) (192.325(b); 192.325(c))	Sat+	Sat	Concern	Unsat	NA	NC
72.323(a) (192.323(b)), 192.323(c))	. N. C S. A.	34. s		3 . M. A.	Majory - 1 1	
lotes					(i i i	
1. Depth of Cover - Onshore (detail) Is onshore pi	ping minin	num cover	as specified in	192.3277	(DC.CO.CO	VER.R)
etail)			,	300	()	, , , , , ,
92.327(a) (192.327(b); 192.327(c), 192.327(d); 192.327(e))	Sat+	Sat	Concern	Unsat	NA .	NC
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.2. EFV Installation (detail) Do records indicate the EF erformance? (MD.GO.EFVINSTALL.R) (detail)	V program	satisfies t	he requireme	nts for insta	allation and	· - Pa
erformance? (MO.GO.EFVINSTALL.R) (detail) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d);	V program	satisfies t	he requirement	unsat	allation and	NC
eformance? (MO.GO.EFVINSTALL.R) (detail) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d);	· · · · · · · · · · · · · · · · · · ·	<u> </u>		/	1 - 21-21	Γ
erformance? (MO.GO.EFVINSTALL.R) (detall) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c))	· · · · · · · · · · · · · · · · · · ·	Sat	Concern	/	1 - 21-21	NC
erformance? (MO.GO.EFVINSTALL.R) (detall) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c))	· · · · · · · · · · · · · · · · · · ·	Sat	Concern	/	1 - 21-21	NC
erformance? (MO.GO.EFVINSTALL.R) (detall) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c))	Sat+	Sat	Concern	Unsat	NA	NC
arformance? (MO.GO.EFVINSTALL.R) (detail) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c)) Notes 3. Cathodic Protection post July 1971 (detail) stalled after July 31, 1971, has been protected against external	Sat+ Do records	Sat ×	Concern t that each building protection	Unsat uried or sub un system v	NA omerged pli	NC peline or after
erformance? (MO.GO.EFVINSTALL.R) (detail) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c)) Hotes 3. Cathodic Protection post July 1971 (detail) 95. Stalled after July 31, 1971, has been protected against external ampletion of construction, conversion to service, or becoming june	Sat+ Do records	Sat ×	Concern t that each building protection	Unsat uried or sub n system v .CP.POST1	NA omerged pli	NC peline or after
erformance? (MO.GO.EFVINSTALL.R) (detail) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c)) Notes 3. Cathodic Protection post July 1971 (detail) stalled after July 31, 1971, has been protected against external ampletion of construction, conversion to service, or becoming July	Sat+ Do records corrosion visidictional	Sat x s documen with a cath onshore g	Concern t that each buodic protection	Unsat uried or sub n system v .CP.POST1	NA omerged pip within 1 yea 971.R) (de	N C
erformance? (MO.GO.EFVINSTALL.R) (detall) 92.383(b) (192.381(a); 192.381(b); 192.381(c); 192.381(d); 92.381(e); 192.383(a); 192.383(c))	Sat+ Do records corrosion visidictional	Sat x documen with a cath onshore g Sat	Concern t that each buodic protection	Unsat uried or sub n system v .CP.POST1	NA omerged pip within 1 yea 971.R) (de	NC peline or after tail)



Records - Operations And Maintenance Performance

L: Strength-Test Requirements for SMYS > 30% 192-5057 (DC.PT.PRESSTESTHIGHSTRESS.R) (detail)	o. (detai	l) Is pres	sure testing c	onducted in	accordanc	e with
.92.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 92.505(e))	Sat+	Sat	Concern	Unsat	NΑ	NC
	1				X	
Notes:						
2. Strength Test Duration Requirements for SM esting is conducted in accordance with 192,507? (DC.PTLOWPRE	YS < 30	% (det : ESTLOWS	ail) Do recon TRESS.R) (de	ds Indicate tail)	that press	ure
192.517(a) (192.507(a); 192.507(b); 192.507(c))	Sat+	Sat	Concern	Unsat	NA	NC
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3. Strength Test Requirements for Operations	< 100 ns	ia (det	ail) Do recor	ds indicate	that proce	uro testin
is conducted in accordance with 192,509(a)? (DC.PTLOWPRESS.F	RESSTEST	100PSIG.R	(detail)		ingt press	
192.517(a) (192.509(a); 192.509(b))	Sat+	Sat	Concern	Unsat	NA	NC
	等级	x				, Y
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				(v. jakiristr	4455	0.00
4. Test Requirements for Plastic Pipe (detail) D				Company of the control of the contro	heid Old State of A. State of the State of t	Antiayay Markayay
with 192:513? (DC.PT.PRESSTESTPLASTIC.R.) (detail)	u records ir	Maria Care	at pressure te	sung is con	uuctea III a	iccordanc
192.517(a) (192.513(a); 192.513(b); 192.513(c); 192.513(d))	Sat+	Sat	Concern	Unsat	NA.	NC.
	11.70	×			ng - 2,	
Notes					A 38 -	
			,根据的数字		03.9.v03	
5. Normal Maintenance and Operations (detail)			reservation in the second	1 12 3	19 19 19 19 19 19 19 19 19 19 19 19 19 1	
procedures in the manual as required? (MO:GO:OMANNUALREVIE	W.R) (deta	perator co il)	nauctea anno	iai reviews (or the Writ	en
192.605(a)	Sat+	Sat	Concern	Unsat	NA	NC
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6. Normal Operations and Maintenance Proced operating history available to appropriate operating personnel? (ures - H I MO.GO.OMI	ISTORY (HISTORY.F	detail) <i>Are</i> 8) (detail)	constructio	n records,	maps an
192.605(a) (192.605(b)(3))	Sat+	Sat	Concern	Unsat	NA	NC
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/92.605(a) (192.605(b)(8))	Sat+	Sat	Concern	Unsat	NA	NC
		×		1.5		
Notes						
B. Abnormal Operations (Review) (detail) Do determine the effectiveness of the abnormal operation pro MO.GOABNORMAL.ABNORMALREVIEW.R) (detail)						
(92.605(a) (192.605(c)(4))	Sat+	Sat	Concern	Unsat	NA	. NC
		X				
Notes						, (1 · · ·) [5]
9. Damage Prevention Program (detail) Does pecified in 192.614(c)? (PD.OC.PDPROGRAM.R) (detail)	the damage pre	vention p	program meet	minimum i	equiremen	ts
192.614(c)	Sat+	Sat	Concern	Unsat	NA	NC.
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LO. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASSLOCATE	/ (detail) Do was an indication STUDY,R) (deta	records in that the	pipe hoop str	ess was no	t commens	urate
10. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASSLOCATE \$2.605(b)(1) (192.609(a); 192.609(b); 192.609(c);	/ (detail) Do	records in that the all)	pipe hoop str	mance of t ess was no Unsat	he requirect t commens	study urate NC
10. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASSLOCATE \$92.605(b)(1) (192.609(a); 192.609(b); 192.609(c); \$92.609(d); 192.609(e); 192.609(f))	/ (detail) Do was an indication STUDY,R) (deta	records in that the	pipe hoop str	ess was no	t commens	urate
LO. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASS.LOCATE 92.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 92.609(d); 192.609(e); 192.609(f)) Notes L1. Emergency Response Performance (deta	r (detail) Do vas an indication STUDY,R) (deta Sat+	records in that the sail) Sat x	Concern	Unsat	NA NA	NC
LO. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASSLOCATE \$2.605(b)(1) (192.609(a); 192.609(b); 192.609(c); \$2.609(d); 192.609(e); 192.609(f)) Notes L1. Emergency Response Performance (detay) whether the procedures were effectively followed in each emorphism	r (detail) Do vas an indication STUDY,R) (deta Sat+	records in that the sail) Sat x	Concern	Unsat	NA NA	NC
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10. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASS.COCATE \$92.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f)) Notes 11. Emergency Response Performance (detail by the the procedures were effectively followed in each emergency (192.605(a) (192.615(b)(1); 192.615(b)(3)) Notes 12. Emergency Response Training (detail) House (192.616)	y (detail) Do was an indication STUDY,R) (deta Sat+ ail) Do records ergency? (EP.ER Sat+	records in that the sill) Sat X indicate in G.POSTE Sat X	Concern Concern review of empi VNTREVIEW.R Concern	Unsat oyee activi) (detail) Unsat	NA ties to dete	NC ermine NC
Notes 10. Change in Class Location Required Study whenever the population along a pipeline increased or there with the present class location? (MO.GOCLASS.CLASSLOCATE 192.605(b)(1) (192.609(a); 192.609(b); 192.609(c); 192.609(d); 192.609(e); 192.609(f)) Notes 11. Emergency Response Performance (detail) whether the procedures were effectively followed in each emetal 192.605(a) (192.615(b)(1); 192.615(b)(3)) Notes 12. Emergency Response Training (detail) Hamergency procedures and verified that the training was effectively followed in each emetal 192.605(a) (192.615(b)(2))	y (detail) Do was an indication STUDY,R) (deta Sat+ ail) Do records ergency? (EP.ER Sat+	records in that the sill) Sat X indicate in G.POSTE Sat X	Concern Concern review of empi VNTREVIEW.R Concern	Unsat oyee activi) (detail) Unsat operating ? (EP.ERG.	NA ties to dete	NC ermine NC



92.615(c)(4); ADB-05-03)	; 192.615(c)(2); 192.615(c)(3);	Sat+	Sat	Concern	Unsat	NA	NC
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ollection of appropriate sai	gation (detail) Do records indic mples for laboratory examination to c vith its procedures? (EP.ERG.INCIDEN	letermine the	e causes d	of the failure a	lents and fa nd minimize	ilures, inc the possi	luding to ibility of
92.605(a) (192.617)		Sat+	Sat	Concern	Unsat	NA .	NC
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	g Requirements (detail) Do	records ind	icate that	pressure testii	ng is conduc	ted in acc	ordance
vith 192.503? (DC.PT.PRES	SSTEST.R) (detail)			A STATE OF THE STA			1 1
.92.503(a) (192.503(b); 1	92.503(c); 192.503(d))	Sat+	Sat	Concern	Unsat	NA	NC.
			X				
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takeholder audience group ffected municipalities, sch	ification Records (detail) Do ps: (1) affected public, (2) emergency pool districts, businesses, and residen petail)	officials, (3) local pu	blic officials, a	nd (4) excar	ators, as	well as
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1. Baseline Message Delivery Frequency (e baseline delivery frequencies specified in API RP 1162,	(detai	il) Did the	delivery o	of materials ar	nd message	es meet or	exceed
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6. Distribution Leakage Surveys (detail) Dore	cords indicat	e distribut	ion leakage si	irveys were	conducted	as
equired? (PD.RW.DISTLEAKAGE.R) (detail) 92.603(b) (192.721(a); 192.721(b); 192.723(a); 192.723(b)	Sat+	Sat	Concern	Unsat	NA	NC
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. 7. Test Reinstated Service Lines (detail) From ervice lines? (AR.RMP.TESTREINSTATE.R) (detail)	the review o	f records,	did the opera	tor properly	test discor	nected
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28. Evaluate Program Implementation (detail) Has an aud			ator's progr	am implem	entation
een performed annually since the program was developed? (P	D.PA.EVALIM	rt.Kj. tuet	an i s seeks to be a co-	在"特殊"的"大麻"的"处"。		3 2 44 75 16 4 76
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2. Pressure Limiting and Regulating Station spection and testing of pressure limiting, relief devices, and j	s Inspectio	on and	Testing (d	etail) Do	records li e specified	ndicate
tervals? (MO.GMOPP.PRESSREGTEST.R) (detail)	(17-10), vis. vi	in Inter			Jen Francisco	1897/2019 1997/2019
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lotes ast regulator inspection performed by Cox contractors on 10-	14-13. 4 statio	ons overd	ue to be inspe	cted.		
3. Evaluating Program Effectiveness (detail r all stakeholder groups in all notification areas along all syst letail)						
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sting or review of the capacity of each pressure relief device quired and a new or additional device installed if determined	at each pressu	ıre limitin	a station and i	ressure re	aulatina si	ation as
sting or review of the capacity of each pressure relief device quired and a new or additional device installed if determined	at each pressu to have insuff	ire limitin icient cap	g station and pacity? (MO.GM	oressure re IOPP PRESS	gulating si REGCAP I	ation as () (detail
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17. Measure Understandability of Message Contenting of each stakeholder audience that understood and retained process. PD.PA.MEASUREUNDERSTANDABILITY.R) (detail)	tent (det ained the k	tail) In a	evaluating prog ation from the	gram effecti messages d	iveness, wa Ietermined	is the
PD.PA.MEASUREUNDERSTANDABILITY.R) (detail)		cy mnorm	The second secon	VI THE RESERVE TO THE		1
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	and a late of the contract of	X	On the second second	-	Martin Maria Maria	in terminentomine
Votes					142.1	
	1					51
8. Valve Maintenance Distribution Lines (deta ach distribution system valve that might be required in an emergalendar year, and prompt remedial action to correct any valve for	gency at int	ervals no	t exceeding 15	months, bu	ut at least	ation of once ea
92.603(b) (192.747)	Sat+	Sat	Concern	Unsat	NA NA	NC
				×		
Votes	Janes annua				Harrison over several	and a section of
lo records of valves being checked since 2013.						
					4,	-
9. Vault Inspection (detail) Do records document inspection (detail) Do records document inspection (detail) The records document inspection (detail) The records document inspection (detail)						umetric
	Sat+	Sat	Concern	Unsat	NA	NC
	Sat+	Sat	Concern	Unsat	NA x	NC
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat	NA X	NC
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d))	Sat+	Sat	Concern	Unsat		NC
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (def	tail) In ev	raluating (program effecti	iveness, wa	x s evaluatio	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) f whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail)	tail) In ev	raluating (program effecti	iveness, wa o be exhibite	x s evaluatio	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) PD.PA.MEASUREBEHAVIOR.R) (detail) 192.616(c) (API RP 1162 Section 8.4.3)	tail) In ev	aluating punderstoo	program effection and likely to	iveness, wa o be exhibite	x s evaluatio ed?	n made
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) PD.PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3)	tail) In ev	raluating punderstoo	program effection and likely to	iveness, wa o be exhibite	x s evaluatio ed?	n made
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail of whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail)	tail) In ev	raluating punderstoo	program effection and likely to	iveness, wa o be exhibite	x s evaluatio ed?	n made
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) PD.PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3)	tail) In ev	raluating punderstoo	program effection and likely to	iveness, wa o be exhibite	x s evaluatio ed?	n made
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (det f whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) D	tail) In everyors were Sat+	saluating punderstood	crogram effection and likely to	veness, was be exhibited. Unsat	s evaluatio ed? NA	n made
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) f whether appropriate preventive, response, and mitigative behave pd. PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) Desire the danger of accidental ignition where the presence of gas const	tail) In everyors were Sat+	saluating punderstood	crogram effection and likely to	Unsat ed procedure (MO.GM.IG	s evaluatio ed? NA	n made
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail) 192.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) Desired anger of accidental ignition where the presence of gas constitution.	sat+	saluating punderstood Sat x	Concern Concern Concern	Unsat ed procedure (MO.GM.IG	s evaluatio ed? NA	n made NC
P2.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) f whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) D he danger of accidental ignition where the presence of gas const. 192.709 (192.751(a); 192.751(b); 192.751(c))	sat+	Sat x dicate person of fire Sat	Concern Concern Concern	Unsat ed procedure (MO.GM.IG	s evaluatio ed? NA	n made NC
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail) 192.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) Desired anger of accidental ignition where the presence of gas constitution.	sat+	Sat x dicate person of fire Sat	Concern Concern Concern	Unsat ed procedure (MO.GM.IG	s evaluatio ed? NA	n made NC
P2.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail) f whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) D he danger of accidental ignition where the presence of gas const. 192.709 (192.751(a); 192.751(b); 192.751(c))	sat+	Sat x dicate person of fire Sat	Concern Concern Concern	Unsat ed procedure (MO.GM.IG	s evaluatio ed? NA	n made NC
PO. Measure Desired Stakeholder Behavior (detail) Notes O. Measure Desired Stakeholder Behavior (detail) f whether appropriate preventive, response, and mitigative behave po.PA.MEASUREBEHAVIOR.R) (detail) 92.616(c) (API RP 1162 Section 8.4.3) Notes 11. Prevention of Accidental Ignition (detail) Desired the danger of accidental ignition where the presence of gas constant (po. 192.751(a); 192.751(b); 192.751(c)) Notes 42. Measure Bottom-Line Results (detail) Were the party incidents and consequences including: (1) near misses, (2)	sat+ orecords indituted a had sat+	saluating punderstood Sat x addicate person of fire Sat x results of damages	Concern Concern Concern Concern Concern	unsat ded procedure (MO.GM.IG	s evaluationed? NA Pes for mining GNITION.R NA	n made NC mizing) (detail NC
92.709(c) (192.749(a); 192.749(b); 192.749(c); 192.749(d)) Notes 10. Measure Desired Stakeholder Behavior (detail whether appropriate preventive, response, and mitigative behave PD.PA.MEASUREBEHAVIOR.R) (detail) 192.616(c) (API RP 1162 Section 8.4.3) Notes 41. Prevention of Accidental Ignition (detail) Desire danger of accidental ignition where the presence of gas constituted in the presence o	sat+ orecords indituted a had sat+	saluating punderstood Sat x addicate person of fire Sat x results of damages	Concern Concern Concern Concern Concern	Unsat ed procedure (MO.GM.IC) Unsat	s evaluationed? NA Pes for mining GNITION.R NA	n made NC mizing) (detail NC

92.603(b) (192.753(a); 192.753(b))	Sat+	Sat	Concern	Unsat	N A	NC
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lotes"						
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4. Program Changes (detail) Were needed changes and seed on the results and findings of the program effectiveness even					and docun	nented
92.616(c) (API RP 1162 Section 2.7 (Step 12); API RP 1162	Sat+	Sat	Concern	Unsat	NA	NC
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lotes						
5. Master Meter and Petroleum Gas Systems (stem operator has met the requirements of 192.616(j)? (PD.PA	detail) <i>L</i> MSTRMET	o records ER.R) (det	indicate the n	naster mete	r or petro	leum ga
92.616(j) (192.616(h); API RP 1162 Section 2.7 (Step 12); API P 1162 Section 8.5)		Sat	Concern	Unsat	NA.	NC
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ecords - Operator Qualification		Tour S	John Williams			1. j. 41 ¹
Qualification Records for Personnel Performi	na Cova	and Too	ke (dotail) On		
aluation and qualifications of individuals performing covered ta						
sks be verified? (TQ.OQ.RECORDS.R) (detail) 2.807(b)	Sat+	Sat	Concern	Unsat	NA	N C
	-	×	-7	J.I.S.C.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
otes	The Articustration and Apple			lanesan en	THE RESERVE TO SERVE THE S	nde sette settempt se
Contractor and Other Entity Qualification (de						
Contractor and Other Entity Qualification (de alifications that contain the required elements? (TQ.OQ.OQ.ON	TRACTOR.	R) (detail)	recorus maine	amed for co	muactor p)ersonn
2.807(a) (192.807(b))	Sat+	Sat	Concern	Unsat	NA .	NC
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Records - Corrosion Control Performance

Notes

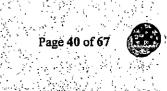
1. Corrosion Control Records (detail) Do records indicate the location of all items listed in 192,491(a)? (TD.CP.RECORDS.R) (detail) Sat+ Sat 192.491(a) Concern Unsat NA N.C. X Notes 2. Examination of Exposed Portions of Buried Pipe (detail) Do records adequately document that exposed buried piping was examined for corrosion? (TD.CPEXPOSED.EXPOSEINSPECT.R) (detail) 192.491(c) (192.459) Sat+ Concern Notes 3. Cathodic Protection Monitoring (detail) Do records adequately document cathodic protection monitoring tests have occurred as required? (TD.CPMONITOR.TEST.R) (detail) 192,491(c) (192,465(a)) Sat+ Sat Concern Unsat NA · NC X Notes Not checked since 2013, 4. Rectifier or other Impressed Current Sources (detail) Do records document details of electrical checks of sources of rectifiers or other impressed current sources? (TD.CPMONITOR.CURRENTTEST.R) (detail) 192,491(c) (192,465(b)) Sat+ Notes Checking every month. 5. Bonds, Diodes and Reverse Current Switches (detail) Do records document details of electrical checks interference bonds, diodes, and reverse current switches? (TD.CPMONITOR.REVCURRENTTEST.R.) (detail) Concern 192.491(c) (192.465(c)) Sat+ Sat Unsat NA: Notes 6. Correction of Corrosion Control Deficiencies (detail) Do records adequately document actions taken to correct any identified deficiencies in corrosion control? (TD.CPMONITOR.DEFICIENCY.R) (detail) 192.491(c) (192.465(d)) Sat+ Sat Concern Unsat NA NC.



2.491(c) (192.465(e))	Sat+	Sat	Concern	Unsat	N A	NC *
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	A GWAN	<i>a</i>		<u> 11. 201 A.</u>		
3. Isolation from Other Metallic Structures (d puried or submerged pipeline from other metallic structures un						
olpeline and the other structures as a single unit? (TD.CP.ELEC	ISOLATE.R) (detail)	erconnect and	Caulouican	y protect t	ne , 2. gr Nga Vang
.92.491(c) (192.467(a); 192.467(b); 192.467(c); 192.467(d) .92.467(e))	Sat+	Sat	Concern	Unsat	N A	- N.C
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Notes		مسرحمد				
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9. Test Leads Installation (detail) Do records doc					ve electrica	l test 🐬
eads installed in accordance with requirements of Subpart I? (سرنی شده کا	1				N. 1
.92.491(c) (192.471(a); 192.471(b); 192.471(c); 192.469)	*Sat+	Sat	Concern	Unsat	NA	N.C
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LO. Interference Currents (detail) <i>Do records doc</i>			r has minimize	ed the detri	lmental effe	ects of
LO. Interference Currents (detail) Do records doc stray currents when found? (TD.CPMONITOR:INTFRCURRENT.F			Stage of the	d the detri		ects of
Notes 10. Interference Currents (detail) Do records doc stray currents when found? (TD.CPMONITOR INTERCURRENT F 192.491(c) (192.473(a))	R) (detail)	e operato	r has minimize		mental eff	1
10. Interference Currents (detail) Do records doc stray currents when found? (TD.CPMONITOR:INTFRCURRENT.F 192.491(c) (192.473(a))	(detail) Sat+	e operato Sat	Stage of the			1
LO. Interference Currents (detail) Do records doc stray currents when found? (TD.CPMONITOR:INTFRCURRENT.F 192.491(c) (192.473(a))	(detail) Sat+	e operato Sat	Stage of the			1
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LO. Interference Currents (detail) Do records doctoray currents when found? (TD.CPMONITOR INTERCURRENT F. 192.491(c) (192.473(a)) Notes L1. Internal Corrosion (detail) Do records docume	Sat+	e operato Sat x gas is bei	Concern	Unsat	N·A	NC .
LO. Interference Currents (detail) Do records doctray currents when found? (TD.CPMONITOR.INTERCURRENT.F. 92.491(c) (192.473(a)) Notes L1. Internal Corrosion (detail) Do records docume investigation of the corrosive effect of the gas on the pipeline and the corrosive effect of the gas on	Sat+	e operato Sat x gas is bei	Concern	Unsat	N·A	NC .
LO. Interference Currents (detail) Do records doctray currents when found? (TD.CPMONITOR:INTFRCURRENT.F. 92.491(c) (192.473(a)) Notes L1. Internal Corrosion (detail) Do records docume investigation of the corrosive effect of the gas on the pipeline at TD.ICP.CORRGAS.R) (detail)	Sat+ Sat+ ont if corrosive and steps that	e operato Sat X gas Is bei	Concern ing transported in taken to min	Unsat d by pipelin imize inter	N A	NC g the on?
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LO. Interference Currents (detail) Do records documentary currents when found? (TD.CPMONITOR:INTERCURRENT.E. 192.491(c) (192.473(a)) Notes L1. Internal Corrosion (detail) Do records document the supposition of the corrosive effect of the gas on the pipeline at TD.ICP.CORRGAS.R) (detail) 192.491(c) (192.475(a)) Notes	Sat+ Sat+ ont if corrosive and steps that Sat+	e operato Sat x gas is bei have bee Sat x	Concern ing transported taken to min	Unsat d by pipelin nimize inter Unsat	NA e, including and corrosi NA	y the on?
LO. Interference Currents (detail) Do records doctray currents when found? (TD.CPMONITOR:INTERCURRENT.F. 92.491(c) (192.473(a)) Notes L1. Internal Corrosion (detail) Do records docume restigation of the corrosive effect of the gas on the pipeline at TD.ICP.CORRGAS.R) (detail) 92.491(c) (192.475(a)) Notes L2. Internal Corrosion in Cutout Pipe (detail)	Sat+ Sat+ ont if corrosive and steps that Sat+	e operato Sat x gas is bei have bee Sat x	Concern ing transported taken to min	Unsat d by pipelin nimize inter Unsat	NA e, including and corrosi NA	y the on?
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LO. Interference Currents (detail) Do records documents currents when found? (TD.CPMONITOR.INTERCURRENT.E. 92.491(c) (192.473(a)) Notes L1. Internal Corrosion (detail) Do records document by the corrosive effect of the gas on the pipeline at TD.ICP.CORRGAS.R) (detail) 92.491(c) (192.475(a)) Notes L2. Internal Corrosion in Cutout Pipe (detail)	Sat+ Sat+ ont if corrosive and steps that Sat+	e operato Sat x gas is bei have bee	Concern ing transported taken to min	Unsat d by pipelin nimize inter Unsat	NA NA NA Dipe for evi	y the on?



equired of 192.4767 (DC.DPC.INTCORRODE.R) (detail)					d Miller GA	IN NO. 1
92.476(a) (192.476(b); 192,476(c); .476(d))	Sat+	Sat	Concern	Unsat	NA	NC.
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lotes						
						rej. Versen karak
4. Internal Corrosion Corrosive Gas Actions	(detail) Do	records o	ocument the	actions tak	en when c	orrosive"
is is being transported by pipeline? (TD.ICP.CORRGASACTIO	N.R) (detail)		in joy with best	Palastra de	, 3 1 m. 123	erefato) J
92.491(c) (192.477)	Sat+	Sat	Concern	Unsat	NA	NC.
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Votes						. 5-4.1 14:30
5. Atmospheric Corrosion Monitoring (detai	Do records	document	inspection of	abovegrou	nd pipe for	7.1 1.19
tmospheric corrosion? (TD:ATM.ATMCORRODEINSP.R) (detail		ght i grafis / will grafis (grafis)				
92.491(c) (192.481(a); 192.481(b); 192.481(c))	Sat+	Sat	Concern	Unsat	NA	NC
	The state of the s	X			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
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	in differential community of the	机工程存储控制	机熔板 医医线性电池	(5)据明成加。	The Section Co	71 : 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
						d after Ju
1), 1971; has been protected against external corrosion with FD.COAT.NEWPIPE.R) (detail), 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b);						d after Ju N C
1, 1971, has been protected against external corrosion with a TD.COAT.NEWPIPE.R) (detail). 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b);	an adequate co	ating unle	ess exempted	under 192.	455(b)?	
1, 1971, has been protected against external corrosion with TD.COAT.NEWPIPE.R) (detail). 92:491(c) (192:455(a)(1); 192:461(a); 192:461(b); 92:483(a))	an adequate co	sting unit	ess exempted	under 192.	455(b)?	
1, 1971, has been protected against external corrosion with TD.COAT.NEWPIPE.R) (detail). 92:491(c) (192:455(a)(1); 192:461(a); 192:461(b); 92:483(a))	an adequate co	sting unit	ess exempted	under 192.	455(b)?	
1, 1971, has been protected against external corrosion with TD.COAT.NEWPIPE.R) (detail). 92:491(c) (192:455(a)(1); 192:461(a); 192:461(b); 92:483(a)). Notes	an adequate co	sat Sat X	concern	under 192 Unsat	455(b)? NA	NC.
1) 1971, has been protected against external corrosion with ID.COAT.NEWPIPE.R) (detail). 92:491(c) (192:455(a)(1); 192:461(a); 192:461(b); 92:483(a)). Notes Notes 7. Repair of Internally Corroded Pipe (detaile internally corroded to an extent that there is not sufficie	an adequate co	sat Sat X	Concern	under 192 Unsat	NA NA	NC
1) 1971, has been protected against external corrosion with ID.COAT.NEWPIPE.R) (detail). 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 92.483(a)). Notes L7. Repair of Internally Corroded Pipe (detaileen internally corroded to an extent that there is not sufficie	an adequate co	sat Sat X	Concern	under 192 Unsat replaceme (TD.ICP.R	NA NA	NC
1, 1971, has been protected against external corrosion with ID.COAT.NEWPIPE.R) (detail). 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 92.483(a)). Notes L7: Repair of Internally Corroded Pipe (detaileen internally corroded to an extent that there is not sufficie	Sat+ Sat+ I) Do records int remaining st	Sat X X document trength in	Concern Concern the repair or	under 192 Unsat replaceme (TD.ICP.R	A55(b)? NA nt of pipe EPAIR.R) (N C
1, 1971, has been protected against external corrosion with TD.COAT.NEWPIPE.R) (detail). 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 92.483(a)). Notes 1.7.: Repair of Internally Corroded Pipe (detaineen internally corroded to an extent that there is not sufficie (92.485(a) (192.485(b)).	Sat+ Sat+ I) Do records int remaining st	Sat X document	Concern Concern the repair or	under 192 Unsat replaceme (TD.ICP.R	A55(b)? NA nt of pipe EPAIR.R) (N C
1, 1971, has been protected against external corrosion with ID.COAT.NEWPIPE.R) (detail). 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 92.483(a)). Notes L7. Repair of Internally Corroded Pipe (detaineen internally corroded to an extent that there is not sufficie 92.485(a) (192.485(b)).	Sat+ Sat+ I) Do records int remaining st	Sat X document	Concern Concern the repair or	under 192 Unsat replaceme (TD.ICP.R	A55(b)? NA nt of pipe EPAIR.R) (N C
1, 1971, has been protected against external corrosion with ID.COAT.NEWPIPE.R) (detail). 92.491(c) (192.455(a)(1); 192.461(a); 192.461(b); 92.483(a)). Notes 17. Repair of Internally Corroded Pipe (detaileen internally corroded to an extent that there is not sufficie 92.485(a) (192.485(b)).	Sat+ Sat+ II) Do records int remaining si	Sat X document rength in Sat	concern concern the repair or the pipe wall?	under 192 Unsat replaceme (TD.ICP.R Unsat	nt of pipe EPAIR.R)	NC that has (detail)
1, 1971, has been protected against external corrosion with TD.COAT.NEWPIPE.R) (detail). 92:491(c) (192:455(a)(1); 192:461(a); 192:461(b); 92:483(a)). Notes 1.7. Repair of Internally Corroded Pipe (detaileen internally corroded to an extent that there is not sufficie 92:485(a) (192:485(b)). Notes Notes	Sat+ Sat+ II) Do records int remaining si	Sat X document rength in Sat	concern concern the repair or the pipe wall?	under 192 Unsat replaceme (TD.ICP.R Unsat	nt of pipe EPAIR.R)	NC that has (detail)
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Procedures (Distribution Compressor Station) - Compressor Station

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. Compressor Station Design/Co							
art-up and shut-down have sufficient detail peration within the MAOP limits prescribed by vices? (FS.CS.CMPSUSD.P) (detail)	to ensure start-up y this part, plus th	and shut-do e build-up ai	wn of com lowed for (pressor units operation of p	in a manne ressure-lim	r designed iting and c	to assu ontrol
92.605(b)(5) (192.605(b)(7))		Sat+	Sat	Concern	Unsat	NA	NC
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etall for Inspection and testing of compressor S.CSSYSPROT.CMPRELIEF.P) (detail)	r station pressure i	relief devices	with the	exception of n	upture disk	57 s 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NC
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Field Review (Distribution Compressor Station) - Compressor

Stations Inspection (Field)



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have doo	r latches	that can	be readi	ily opene	d withou	t a key,	and mali	ompr	essor b	uilding e	xit doo	rs mounte	d to swing	outward	?
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192.163(c)	Sat+ Sat	Concern	Unsat	NA NC
Notes:				

2. Compressor Station Design/Construction - Fence Gates (detail) Do fenced areas around compressor stations have at least two gates that provide for easy escape to place of safety, and do gates located within 200 feet of any compressor plant open outward and able to be opened from the inside without a key when the station is occupied?

(FS.CS.FENCEGATES.O) (detail)

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3. Compressor Station Design/Construction - NFPA.70 (detail) Are the proper permits and approvals authorized under NFPA 70 posted or otherwise located at the compressor station? (FS.CS.CMPNFPA70.0) (detail)

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Notes				PW 173 KM:		4.786



4. Compressor stations Liquid Removal (detail) Are compressors protected from liquids and, as applicable, liquid separators for compressors installed, in accordance with 192.1657 (DC.DPCCMP.CMPLIQPROT.O) (detail)

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5: Compressor Station Design/Construction - ESD Gas Discharge (detail) Does each compressor station have an emergency shutdown system that is capable of safely discharging blowdown gas from the blowdown piping at a location where the gas will not create a hazard? (FS.CSSYSPROT.ESDGASDISCH.O) (detail)

192.167(a)(2)		Sat+ Sat	Concern Unsat	NA NC
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19. Atmospheric Corrosion Monitoring TD.ATM.ATMCORRODEINSP.0) (detail)	g (detail)	is pipe that	Is expose	d to atmosph	eric corros	ion protect	ed?
192.481(b) (192.481(c); 192.479(a); 192.479(b); 1	L92.479(c))	Sat+	Sat	Concern	Unsat	NA	NC
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20. Start-Stop Procedures (detail) Durwere not exceeded? (DC.MO.MAOPLIMIT.O) (detail)	ing startup or	shut-in, is	it assured	that the pres	sure (Imital	tions on th	e pipeline
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92.707(a) (CGA Best Practices,	v4.0, Practice 2-5; CGA Best	Sat+	Sat	Concern	Unsat	NA	NC
ractices, v4.0, Practice 4-20)		3414	Sat	Concern	Unsat	NA	NC.
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26. Compressor Station devices inside a compressor station							ting
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materials stored as required and with NFPA No. 30, as required by 192.735(a) (192.735(b))	aboveground oil or gasoline sto	rage tanks in COMBUSTIBL	E.O) (det	t compressor s ail)	tations pro	N A	ccordanc
materials stored as required and with NFPA No. 30, as required by 192.735(a) (192.735(b)) Notes 28. Compressor Station	aboveground oil or gasoline stored 192.735(b)? (DC.COCMP.CMPC	rage tanks in COMBUSTIBL Sat+	nstalled a E.O) (det Sat	t compressor s ail) Concern	Unsat	NA X	N C
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Records (Distribution Compressor Station) - Compressor Station O&M Performance

Notes Compressor Station Design/Construction - Gas Detection (detail) Do records document that all compressor station gas detection and alarm systems are being maintained and tested as required? S.CSSYSPROT.CMPGASDETOM.R) (detail) 92.709(c) (192.736(c)) Sat+ Sat Concern Unsat NA NC	L92,709(b) (192.709(c);	192.731(a)); 192.731	L(b); 19	2.731(c))	Sat+	Sat	Concern	Unsat	NA	NC.
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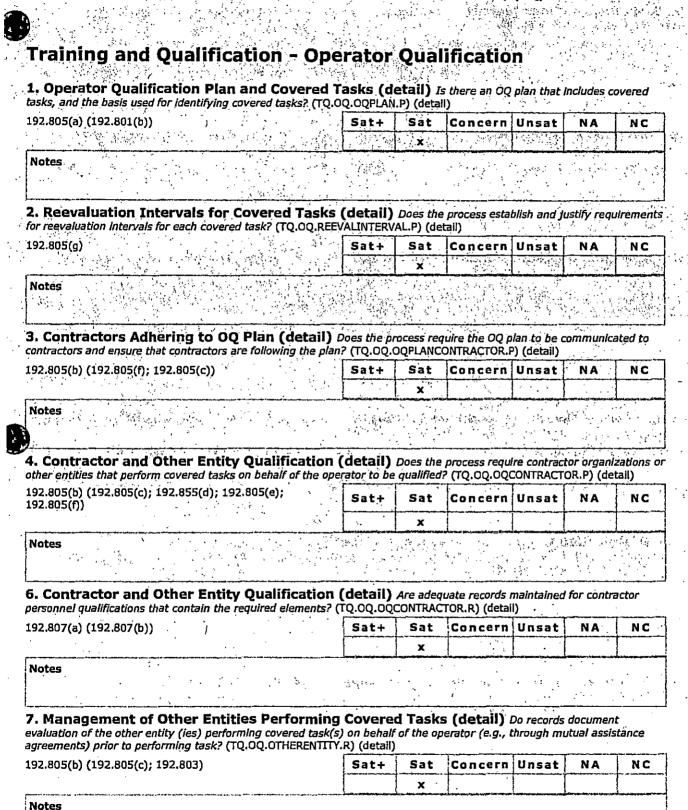


PHMSA Form 14 Question Set (IA Equivalent) PHMSA (OQ) INSPECTION FORM

- Use in conjunction with Unit inspections
 Interview the primary operator contact for the Unit inspection you are conducting and enter their responses. Do not request the operator substance abuse expert to provide responses to these questions.
 Send completed form to stanley.kastanas@dot.gov

Name of Operator	City of Liberty			Op ID#	11472
Inspector	Steve Samples			Unit#	
Date of Inspection	7/8/15				
Inspection Location City & State	Liberty, KY.				,
Operator Employee Interviewed	Bridgett Blake	V - 2	a figh	Phone #	4. C + 1.
Position/Title	Operations	11.00	***	. W	3 300
Operator Designated Employer Represe (a.k.a. Substance Abuse Program Mana		Premier Drug Testin		ıg	tal, ter
DER Phone # 606-787-9973		-	+ (n + ++)		

§199	Pipeline Safety Regulations Drug and Alcohol Testing	Yes	No	Does Not Know
.3, .101 .201, .245	1. Does the company have a plan for drug and alcohol testing of employees and contractors performing, or ready to perform, covered functions of operations, maintenance, and emergency response?	x		
Comments			34	
.3 .105(c) .225(b)	2. Does the company perform random drug testing and reasonable suspicion drug and alcohol testing of employees performing covered functions? For random drug testing, enter the number of times per year employees are selected and the number of employees in each selection in Comments below.	x		
Comments				
.3 .105(b)	3. Does the company conduct post-accident/incident drug and alcohol testing for employees who have caused or contributed to the consequences of an accident/incident? Enter the position/title of the employee who would make the decision to conduct post-accident/incident testing in Comments below.	x		
Comments		200	10.14	
.113(c) .117(a)(4) .227(b)(2) .241	4. Does the company provide training for supervisors on the detection of potential drug abuse (minimum 60 minutes) and alcohol misuse (minimum 60 minutes)?	х	-	10 mm 1 mm 12 mm 1
Comments				
.3 .113(b) .117(a)(4) .239(b)(11)	5. Does the company give covered employees an explanation of the drug & alcohol policies and distribute information about the Employee Assistance Program, including a hotline number? Provide details in Comments below.	x		**
Comments		9		



PHMSA Form 14 Question Set (IA Equivalent) PHMSA (OQ) INSPECTION FORM

					SPECTIO	
: Evaluation Methods (detail) Are evaluation 95k7 (TQ.OQ.EVALMETHOD.P) (detail)	methods estab	lished and	d documented	l appropria	te to each	covere
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dividuals for their capability to recognize and react to A	OCs, 3) AOCs id	lentified a	s those that	the individ	ual may re	
ticipate and appropriately react to during the performa mmunicating AOCs for the purpose of qualifying individ				ished prov	isions for	
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7. Personnel Performance Monitoring (de dividual if there is reason to believe the Individual is no I rformance by an Individual contributed to an Incident or sks? (TQ.OQ.PERFMONITOR.P) (detail)	onger qualified accident; othe	to perfo r factors	rm a covered affecting the	task basec performan	on: cove ce of cove	red tas red
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9. Program Performance and Improveme ogram and implementation of improvements to enhance etail)	ent (detail) the effectiven	Does these of the	e program? (T	uire evalua Q.OQ.PRO	tion of the	e OQ L.P)
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Training and Qualification - OQ Protocol 9



1. Covered Task Performance (detail) Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.
(TQ.PROT9.TASKPERFORMANCE.O) (detail)

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Notes

Darren Atwood and Greg Rodgers. O.k.

2. Qualification Status (detail) Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks. (TQ.PROT9.QUALIFICATIONSTATUS.O) (detail)

192.801(a) (192.809(a))

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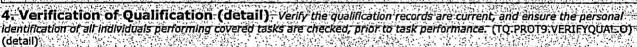
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3. Abnormal Operating Condition Recognition and Reaction (detail) Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed. (TQ.PROT9.AOCRECOG.O) (detail)

192.801(a) (192.809(a))

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192.801(a) (192.809(a))

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5. Program Inspection Deficiencies (detail) Have potential issues identified by the headquarters inspection process been corrected at the operational level? (TQ.PROT9.CORRECTION.O) (detail)

192.801(a) (192.809(a))

ď.	Sat+-	-⊹Sat-⊹	Concern-	Unsat	···NA	÷N C∵÷
;	2012年	×	19 (40) 数 13 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)			深 识的。

Notes

Checked test points on high pressure line. Readings well above -.85 criteria (-1.06) (on rectifier) New personnel in charge not checking since 2013. See report deficiencies:



Distribution Integrity Management Program

Implementation Inspection Form

This inspection form is for the evaluation of an operator's implementation of its gas distribution integrity management program (DIMP) through a review of its records and actions performed on pipeline facilities. This inspection form is applicable to operators, other than Master Meter and Small LPG operators, that have developed and implemented a DIMP under §192.1005. The form asks inspectors to review records and perform field observations regarding the implementation of the DIMP required elements. Following a review of the operator's DIMP plan, inspectors will observe actions taken by the operator to ensure that procedures have been followed. There are instances when actions by an operator could be deemed satisfactory by an inspector for an implementation question while still not meeting the procedural requirements in the DIMP plan resulting in an unsatisfactory rating for a corresponding procedural question.

Questions with code references beside them are enforceable. "S/Y" stands for "satisfactory" or "yes"; "U/N" stands for "unsatisfactory" or "no"; "N/A" stands for "not applicable"; and "N/C" stands for "not checked". If an item is marked U/N, N/A, or N/C, an explanation must be included in the comments section. Due to the unique characteristics of some operator's system, there are instances where an operator is not required to perform an action, and some of the questions requesting a review of documents may not apply and would be rated as "N/A" (rather than rating "U/N"). For instance, in Question #8, if the operator has NOT acquired any new information relevant to threat identification, rate as "N/A". Correspondingly, if the operator had acquired new information that needed to be included in the threat identification and had not, then the rating would be "U/N".

This inspection form includes two types of activities — records review and field observation activities:

- The Records Review questions are to be performed on records used by an operator for implementing its DIMP plan. Not all parts of this form may be applicable to a specific Records Review Inspection, and only those applicable portions of this form need to be completed.
- The Field Observation questions are to be used on field activities being performed by an operator in support of its DIMP plan. Field Observation inspection activities may also include review of data, environmental conditions, and assumptions being used by an operator in support of its DIMP plan. Not all parts of this form may be applicable to a specific Field Observation Inspection, and only those applicable portions of this form need to be completed.

A review of applicable Operations and Maintenance (O&M) and DIMP processes and procedures applicable to the field activity being inspected should be considered by the inspector to ensure the operator is implementing its O&M Manuals and DIMP in a consistent manner.

PHMSA Form 24 - Gas Distribution System DIMP Implementation Inspection, July 7, 2014,

Ope

Operator Contact and System Information	6	g.	
the many real or the management in a contract of the			
Operator Information:	. "		

Name of Operator (leg	gal entity):	City of Liberty	ē ,	
PHMSA Operator ID:	ikaka orimiik	11472		8 9
Type of Operator:		wned xI Municipal Privat ntify - e.g., cooperative)	teLPG	
State(s) included in this inspection		Kentucky		
Headquarters Address	The state of the state of the state of	518 Middleburg St.	*	
Company Contact:	May Has	Greg Rodgers	*	
Phone Number:	erda meste		4 4	
Email:			* * * * * * *	a .
Date(s) of Inspection		7/8,9/15	* * *	
Data of this Banast	AND 18 18 18 AND 18	7/13/15	* * * *.	,T
Date of Current DIMP	Carried and the same		## U #	

Persons Interviewed:

Persons Interviewed	新生产。 医医动物	Phone	MARKE WELL SHAPE
(list primary contact first)	Title	Number	Email
Greg Rodgers	Operations		
Darren Atwood	Operations	-,	A 1

State/Federal Representatives:

Inspector Name and Agency	Phone Number	Email
Steve Samples	502-330-5985	Stevend.samples@ky.gov
(*	×*	* 3

System Description Narrative:



PHMSA Form 24 - Gas Distribution System DIMP Implementation Inspection, July 7, 2014, Rev 0

* - If not satisfactory, insert appropriate code section(s) ments	Issues Identified in previous Integrity Manage Have all issues raised in previous DIMP inspections been satisfactorily addressed? Provide comments below.	ment l	nspection	on(s)	
satisfactory, insert appropriate code section(s) ments	Have all issues raised in previous DIMP inspections been satisfactorily addressed? Provide comments below.				
192.1007(a)	The second second second second	1	*15		+3
of Street County of Street, St		- 11	45 ji .		y.
	Knowledge of the system		7		
.1007 (a)(3)	Is the operator collecting the missing or incomplete system information and data needed to fill knowledge gaps to assess existing and potential threats?	x			
ments		#	1 1 10	na 177 - 15	179 1
.1007 (a)(3)	Is the operator collecting the missing or incomplete system information and data using the procedures prescribed in its DIMP plan?	x			
ments					
.1007 (a)(3)	Has the operator incorporated into the DIMP plan any new or missing information identified or acquired during normal operations, maintenance, and inspection activities?	X			
ments		*		1	
.1007(a)(5)	Has the operator captured required data on any new pipeline installations? For pipe, fittings, valves, EFVs, risers, regulators, shutoffs, etc., examples of data and records required to be collected by operator since August 2, 2011 include, but are not limited to, the following: • Location • Material type and size • Wall thickness or SDR • Manufacturer • Lot or production number	x			
	ments .1007 (a)(3) ments	needed to fill knowledge gaps to assess existing and potential threats? ments 1007 (a)(3) Is the operator collecting the missing or incomplete system information and data using the procedures prescribed in its DIMP plan? ments 1007 (a)(3) Has the operator incorporated into the DIMP plan any new or missing information identified or acquired during normal operations, maintenance, and inspection activities? ments 1007(a)(5) Has the operator captured required data on any new pipeline installations? For pipe, fittings, valves, EFVs, risers, regulators, shutoffs, etc., examples of data and records required to be collected by operator since August 2, 2011 include, but are not limited to, the following: Location Material type and size Wall thickness or SDR Manufacturer Lot or production number	ments 1007 (a)(3) Is the operator collecting the missing or incomplete system information and data using the procedures prescribed in its DIMP plan? Ments 1007 (a)(3) Has the operator incorporated into the DIMP plan any new or missing information identified or acquired during normal operations, maintenance, and inspection activities? Ments 1007(a)(5) Has the operator captured required data on any new pipeline installations? For pipe, fittings, valves, EFVs, risers, regulators, shutoffs, etc., examples of data and records required to be collected by operator since August 2, 2011 include, but are not limited to, the following: Location Material type and size Wall thickness or SDR Manufacturer Lot or production number	needed to fill knowledge gaps to assess existing and potential threats? Interest	ments .1007 (a)(3) Is the operator collecting the missing or incomplete system information and data using the procedures prescribed in its DIMP plan? ments .1007 (a)(3) Has the operator incorporated into the DIMP plan any new or missing information identified or acquired during normal operations, maintenance, and inspection activities? ments .1007(a)(5) Has the operator captured required data on any new pipeline installations? For pipe, fittings, valves, EFVs, risers, regulators, shutoffs, etc., examples of data and records required to be collected by operator since August 2, 2011 include, but are not limited to, the following: Location Material type and size Wall thickness or SDR Manufacturer Lot or production number

PHMSA Form 24 - Gas Distribution System DIMP Implementation Inspection, July 7, 2014, Rev 0

	Question	Rule §	Description	S/Y	U/N	N/A	N/C	
(* 4 * 144 ±	Number					30.4		
	6	.1007 (a)	Are data collection forms used in	×			j, 📶 🔻	
			conjunction with the operator's DIMP plan?					
			being fully and accurately completed?	(#.)~	979			
	在1995年		Note: This question can be answered by					
			office review of records and/or comparison of field conditions to information in the	77		yed Joedan A		
			reviewed records:					
	Inspector Co	mments			Se Saladi	and the same		
	255 700 S	.1007 (a)	If new Subject Matter Experts (SMEs) input	×	911 - 12 - 12 - 12			A CANA
			is incorporated into the DIMP plan, do SMEs,					
			have the necessary knowledge and/or					
			experience (skills sets) regarding the areas	A10			lil) — Saine	20 - William 1891
			of expertise for which the SME provided				Tall	
		EYECKALLERALI DAGGERALA	knowledge or supplemental information for-		Called San			STATE SALES AND
40.534		y made y military to a	input into the DIMP plan?	ight of the			rekin ten str	
	Inspector Co	1						
	8)	.1007 (a)	Do operator personnel in the field	** X **	الإلا			
			understand their responsibilities under		34.2			
			DIMP plan? (Below are possible questions	100 mg				
			for field personnel)	1 (1) July 1000				
			 Would you explain what DIMR 		State of the said	interior	lacija. Sastania	
			training you have received?					
	1		 What instructions have you received. 					
		14 14 14 14 14 14 14 14 14 14 14 14 14 1	to address the discovery of pipe or	#34.3. 37			16° 187	
			components not documented in the		\$3.75° s			
			company records?	を発す				
			What instructions have you received			部では、特別		
ANGER LE			if you find a possible issue? (ex:				\$ M() } = (# %) ;	
			corrosion, dented pipe, poor fusion	4		77.7	<u> </u>	
	[2] [2] [2] [2] [2] [2] [2] [2] [2] [2]		joints, missing coating, excavation				1.7	
			damage, mechanical fitting failures)		Same and the same			
			• If you find situations where the		<u> </u>	1975 1 1975 1975 1 1975		The Contract of the second of
			facilities examined (e.g., size of the	14. 14.	Average			
			pipe, coating) are different than			集7 第5 春楽		
			records indicate, what	14.35				
			documentation do you prepare?			$y_{i,1}^{(i)} \rightarrow 0$: 	[数据] 新元明。 [基据] 新元明。
	医线发管		If you are repairing a leak and find					
	医数数 套		that a fitting was improperly					医 发素(或作用
			installed, what documentation do	1	13 E.			
	建 八次 高的		you prepare?		[.www.		W.	
	Inspector Co	rp <i>ingente</i> ller with himberteller with	A STERNAND OF THE STEEL STATE OF THE STATE O	provide s Language	ey (Marina y Lo pentro a	Lagranasia Paganasia	Destroyer Destroyer	
6.13.765	maperior Ct	imiten e ncy (2)	1975 また 14 - 15 14 14 14 14 15 15 17 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	<u> </u>	- 1 V V	garage ray.	4 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	



PHMSA Form 24 - Gas Distribution System DIMP Implementation Inspection, July 7, 2014, Rev 0

Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
	192,1007 (b) and (c)	Identify Threats, Evaluate and Rank Risk				
9	.1007(b)	Has the operator acquired any new information relevant to system knowledge that may affect its threat identification?	x			
Inspector Cor	nments	The second state of the second state of the second	(a)			
10	.1007 (b)	Have any changes occurred that require re- evaluation of threats and risks? Examples include, but are not limited to, the following: • Acquisition of new systems • Completion of pipe replacement program • New threats (e.g., first time natural forces damage, etc.) • Increase in existing threats (e.g., washouts, land subsidence, etc.) • Increase in consequences (e.g., new wall-to-wall pavement, etc.) • Organization changes (e.g., downsizing of staff, company restructuring, etc.) • Applicable code revisions	X			
		Other (describe below)				
Inspector Co	mments					
11	.1007 (b)	Has the operator identified information or data from external sources (e.g. trade associations, operator's consultants, government agencies, other operators, manufacturers, etc.) that may require reevaluation of threats and risks?	x			
Inspector	Comments					
12	.1007 (c)	Since the last DIMP plan review by the regulatory agency, has the operator updated its threat identification and risk assessment based on newly acquired information or data (see Questions 9, 10, and 11) relevant to system knowledge?	x			

Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
	192,1007 (b) and (c)	Identify Threats; Evaluate and Rank Risk				
13	.1007 (c)	If the operator has modified its threat identification and risk evaluation and ranking, were the revisions made in accordance with the procedure in the operator's DIMP plan?	×			
Inspector Co	mments	return de la companya della companya de la companya de la companya della companya				
14	.1007 (c)	Does the operator's current subdivision process (grouping of materials, geographic areas, etc.) adequately meet the need to properly evaluate and rank the existing and	x			
4		potential threats to the integrity of its system?	. **		1.	4
Inspector	Comments	3.6.51				
15	.1007 (c)	Has the operator added or modified system subdivisions within its risk evaluation and ranking since the last plan review by the regulatory agency?	x		, 🗆	
Inspector Co	mments		1			
16	.1007 (c)	If the operator has added or modified system subdivisions, was it done in accordance with the procedures described in the operator's DIMP plan?	x -			-0
Inspector Co	mments				F (
17	.1007 (c)	If the operator has added or modified system subdivisions, did the new system subdivision result in modifications to the risk evaluation and ranking?	×			
Inspector Co	mments				4.0	-



PHMSA Form 24 - Gas Distribution System DIMP Implementation Inspection, July 7, 2014, Rev θ

Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
	192.1007(d)	(Identify and Implement measures to			75.4	
		address tisks				
18	.1007 (d)	Does the documentation reviewed demonstrate the operator is implementing the measures to reduce risks per the DIMP plan?	X	, LL,	□ -	
- 40	4007 (1)	A CANALANT AND A MARKET				
19	.1007 (d)	Has the operator completed any measures to reduce risks resulting in the elimination/mitigation of the associated identified threat? (e.g., pipe replacement program completed, etc.)	X		Ļ	
Inspector Co	mments					
20	.1007 (d)	If answering "Satisfactory/Yes" to question 19, has the operator re-evaluated and ranked its risks (1007(c)) because of the elimination/mitigation of an identified threat to ensure that risk reduction measures in place are appropriate?	X			
Inspector Co	mments					
21	.1007 (d)	Does each implemented risk reduction measure identified in the DIMP plan address a specific risk?	X			
Inspector Co	mments					
22	.1007 (d)	Can the operator provide documentation to demonstrate that an effective leak management program is being implemented? Important components in an effective program include, but are not limited to, the following: Locate the leaks in the distribution system; Evaluate the actual or potential hazards associated with these leaks; Act appropriately to mitigate these hazards; Keep records; and Self-assess to determine if additional actions are necessary to keep people and property safe. Answer "N/A" if operator repairs all leaks when found.	X			

Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
	192.1007(e)	Measure performance, monitor results, and evaluate effectiveness				*15.74
23	.1007 (e)	Is the operator collecting data for the required performance measures in				
er te		§192.1007(e)?		34 °		
	- (4) 	i) Number of hazardous leaks either eliminated or repaired, categorized by cause?	x			
		ii) Number of excavation damages? iii) Number of excavation tickets?	×			
		iv) Total number of leaks either eliminated or repaired, categorized by cause?	X	<u> </u>	□	
i dir		v) Number of hazardous leaks either eliminated or repaired, categorized by material? (Note: Not required in PHMSA	X			
		Distribution Annual Report Form 7100.1-1) vi) Any additional measures the operator determines are needed to evaluate the	×			
		effectiveness of the DIMP plan in controlling each identified threat? (Note: Not required in PHMSA Distribution Annual Report Form				
Inspector Co	mments	7100.1-1)	1		- X F	Ļ
24:	.1007 (e)	Based on field observations and/or record	×	i ni	ГП	П
	.1007(6)	reviews, is the operator accurately collecting the data used to measure performance in accordance with the procedures in its DIMP plan?				
Inspector Co	mments	The state of the s		-		
25	.1007 (e)	Is the operator monitoring each performance measure from an established	X			
		baseline?	X.		12.0	
Inspector Co						
26	.1007 (e)	Is each performance measure added since the DIMP plan was last updated tied to a specific risk reduction measure or group of measures?	×			
Inspector Co						



Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
	192.1007(f)	Periodic Evaluation and Improvement				100
27	.1007 (f)	Has the operator performed a periodic evaluation of its DIMP plan on the frequency specified in the plan? If a periodic evaluation has not been required since plan implementation or the last inspection, mark questions 27-32 as "N/A".	×			
Inspector Cor	mments	The second secon				H he
28	.1007 (f)	Did the periodic evaluation include the following: • Verification of general system information (e.g., contact information;	×		; 	
		form names; action schedules, etc.)? New information acquired since the	· x			
		previous evaluation? Review of threats and risks? Was the risk model re-run? Review of performance measures? Review of measures to reduce risks?	x x x x			
, et		 Evaluation of the effectiveness of measures to reduce risks? Modification of measures to reduce risks, if necessary? 	x			
Inspector Cor	mments					
29	.1007 (e)	If any established performance measures indicated an increase in risk beyond an acceptable level (as established in the DIMP plan), did the operator implement new risk reduction measures along with their associated performance measures?	x			-
Inspector Cor	mments):				
30	.1007 (f)	If the periodic evaluation indicates that implemented measures to reduce risks are NOT effective, were risk reduction measures modified, deleted or added?	x			
Inspector Cor	nments	modified, deleted or added?				

Question Number	Rule §	Description	S/Y	U/N	N/A	N/C		
31	.1007 (f)	Did the periodic evaluation indicate that the	X,			# []		
20 7 21 27 20 280	* * .	selected performance measures are	T.,		,	2		5) (5) Tall
4		assessing the effectiveness of risk reduction	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1.59			
25 H (K	na eri er	measures?	i.		0.95	2		
e sette e			, i		H		, 1	*
*	, , , , , , , , , , , , , , , , , , ,	If not, were performance measures						
. 48		modified, deleted or added? (describe in		Î				
a p 2	8	Inspector comments)			e e ,	i i		
Inspector Cor	mments				Villa I	767	28 6	2,0
32	.1007 (f)	Did the operator follow its procedures in	· x				16	
** * ** ***		conducting periodic evaluation and program	1		T.T.		121 1	
		improvement?	E 1		F	.31		
			Vin di		in the		1.1	
Inspector Co	mments			71.0 E		265 27 - 85	100	
	192.1007	Report results			Maria Co			
	(g)							1
33	.1007(g)	Did the operator complete Parts C and D of	X			CONTRACTOR SECTION		2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		the PHMSA Distribution Annual Report	25.		1	1977		
F .		(Form 7100.1-1) in its submission to PHMSA	- Ter		1			_
1 (P. M. A.)		and the state regulatory authority having	1	1		ger g		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		jurisdiction, if required, for each year since	11 3			A Property	1.	
		the last inspection?		6 ,		183		
Inspector Co	mments				-		1	
mspector co	; · · · ·		All 12	r _a 7500		.B ^{TC}		
								ž a
	192.1009	What must an operator report when mechan	ical fitt	ings fai	?			te de car
34	.1009	Has the operator maintained accurate	X	2 SALDERN			1	
9 H.A.		records documenting mechanical fitting			100 (2.1			
	as Madria	failures resulting in hazardous leaks?	₩ 3.					e
Inspector Co	mments						-	





Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
35	1009	Did the operator report all mechanical fitting	X			
		failures that resulted in a hazardous leak for				
		the previous calendar year to PHMSA and				3, 1, 1, 2
ं क्री		State authorities, as appropriate, by March	,			
· ,		15 th of the next calendar year?		. !	. :	
						, , ,
		Did the reports contain the information				2.7
		required by Department of Transportation	x	🔲 ,	🔲 🗎	. 🗀
		Form PHMSA F-7100.1-27	,		1. 4. 4	
S. March				2.60		÷.
in him						4.4
Inspector (Comments					
					<u>-</u> _	
36	1009	Did the operator follow its procedure(s) for	X '		[]	I □.
36	1009	collecting the appropriate information and	X			
36	1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2?	X			
36 · · · · · · · · · · · · · · · · · · ·	.1009	collecting the appropriate information and submitting PHMSA Form F-7100:1-2? Methods to verify include, but are not	X			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following:	X			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a	X	de A. W		
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100:1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting	×			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting Examination of failed fittings or	×			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting: Examination of failed fittings or photographs that have been retained by	X A A A A A A A A A A A A A A A A A A A			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting Examination of failed fittings or photographs that have been retained by the operator	X			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting: Examination of failed fittings or photographs that have been retained by the operator: Interview with field personnel	X			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting Examination of failed fittings or photographs that have been retained by the operator	×			
36	.1009	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting: Examination of failed fittings or photographs that have been retained by the operator: Interview with field personnel	X A			
		collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting: Examination of failed fittings or photographs that have been retained by the operator: Interview with field personnel	X			
	Comments	collecting the appropriate information and submitting PHMSA Form F-7100.1-2? Methods to verify include, but are not limited to, the following: Field observation of the excavation of a failed mechanical fitting: Examination of failed fittings or photographs that have been retained by the operator: Interview with field personnel	X A			



Question Number	Rule §	Description	S/Y	U/N	N/A	N/C
	192,1011	What records must an operator keep?		7.5	DENIET ST	
37	.1011	Is the operator retaining the records	X			The state of the s
		demonstrating compliance with Subpart P,		_	-	
		as specified in its DIMP plan, for 10 years (or		2**		4.4
		since 08/02/2011)?	i i i			
1,7	1			. 8.	7.49	
Inspector Con	nments		,			+
38	.1011	Did the operator retain for 10 years (or since	x			
		08/02/2011) copies of superseded DIMP				*
		plans?				
Inspector Con		Didaha arangan filla da Disa	* **			
39	.1011	Did the operator follow its DIMP procedures	x			
		applicable to records retention?	8 8		1000	. T.
		If answered "Unsatisfactory/No", then list	2.		2007	-
Y 42.70	30	those procedures not followed below.	1			1
		those procedures not followed below.				
Inspector Cor	nments			1. 7		£ +
	192,1013	When may an operator deviate from required	l perio	dic inspi	ections	inder
A Contract of the Contract of		this part?				4
40	.1013 (c)	Has the operator received approval from	X			
		PHMSA or the appropriate State Regulatory	. 1		14	
	ing 1	Authority for alternate (less strict than code)			W .	
		periodic inspection intervals?	. 1			
4 6 8		(If no, mark questions 40-44 "N/A")	2.	1.5	1.5	
Inspector Cor	mments					
41	.1013 (c)	Has the operator conducted the periodic	. x			
1.2	V	inspections at the specified alternate				-
		intervals?		3		
			*		14.5	4
Inspector Co				-		
42	.1013 (c)	Has the operator complied with all	x			
		conditions that were required as part of the				
	, k	alternate inspection interval approval?			7.1	· ^ ·
		If answered "Unsatisfactory/No", then		-		
		provide comments below.			(22	
					1	
Inspector Co	mments					

Question Rule § Number	Description	S/Y	U/N	N/A	N/C
43 (c)	Do performance measure records indicate	WAR	推查		等等支持
	that an equal or greater overall level of	√ X ·	ļ 🔲 🦼		🔲
그 그 출시 열 수 생각 생각	1 Proof 7 The Control of the Cont		****	*****	
	inspection frequency was implemented?	, in	45.20		947 14 7 44 7
				<u> </u>	• • •
Inspector Comments		1		<u></u>	
44 .1013 (c)	If that an equal or greater overall level of	x	·. 🔲 ·		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 A MARK A MITTER A COLUMN TO THE ACTUAL AND A COLUMN TO A COLUMN T	Autorită III			291.
	operator taking corrective action?				
		ا در بی		age at the	
	1	15 44.3	\$3.7	4 4	31,44
market in the state of		لِــــــــــــــــــــــــــــــــــــ			
Inspector Comments	[美国的主题图点等工程][編集][大於新社長行為。 [第1	glight of the		ela naga	Sign Way
	Number 43 1013 (c) Inspector Comments 44 1013 (c)	Number 43. (1013 (c) Do performance measure records indicate that an equal or greater overall level of safety has been achieved since the alternate inspection frequency was implemented? Inspector Comments 44	Number 43. (1013 (c) Do performance measure records indicate that an equal or greater overall level of safety has been achieved since the alternate inspection frequency was implemented? Inspector Comments 44	Number 43. 1013 (c) Do performance measure records indicate that an equal or greater overall level of safety has been achieved since the alternate inspection frequency was implemented? Inspector Comments 44	Number 43 :1013 (c) Do performance measure records indicate that an equal or greater overall level of safety has been achieved since the alternate inspection frequency was implemented? Inspector Comments 44 :1013 (c) If that an equal or greater overall level of safety has not been achieved, is the operator taking corrective action? Provide comments below regarding corrective actions taken or lack thereof.

Additional Inspector Comments

SUPPLEMENTAL INSPECTION QUESTIONS

- Unsatisfactory N/A - Not Applicable N/C - Not Checked (U, N/A, or N/C must include an explanation if checked

	SUPPLEMENTAL INSPECTION QUESTIONS	S	U	N/A	N/C
B	NTSB SUPPLEMENTAL INSPECTION QUESTIONS			* .	- 4
	w operator procedures for determining if exposed cast iron pipe was examined for evidence phitization.	10 K	a A	x	ē
	If necessary, was remedial action taken?	100	2 - 3 - 3	x	
Revie	w operator procedures for surveillance of cast iron pipelines	Н		x	
	Was appropriate action taken resulting from tracking circumferential cracking failures, study of failures, study of leakage history, or other unusual operating maintenance condition? (See GPTC Appendix G-18 for guidance)	8	ų.	x	ŭ
Revie buildi	w operator emergency response procedures for leaks caused by excavation damage near ngs.	x	*****	v	
	Do procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings (Refer to 4/12/01 letter from PHMSA)	x		a	34
	w operator records of previous accidents and failures (including reported third party damage ask response) to ensure appropriate operator response as required by 192.617.	x	King a		
	THIRD PARTY/EXCAVATION DAMAGE PREVENTION SUPPLEMENTAL QU	JEST	IONS		30.25
	w directional drilling/boring procedures of operator or its contractor – do they include actions tect their facilities from the dangers posed by drilling and other trenchless technologies?	x			
	erator following its written procedures pertaining to notification of excavation, marking, ve response, and the availability and use of the one-call system?	х			*
	perator adopted the CGA Best Practices document as a means of reducing damages to all ground facilities?	x			
	If no, encourage and promote the adoption of CGA Best Practices document.	x			
	ew operators records of accidents and failures due to excavation damage to ensure causes of e are addressed to minimize the possibility of recurrence as required by 192.617.	х			
121	PLASTIC PIPE DEFECTS/LEAKS & NPMS DATABASE SUPPLEMENTAL QU	EST	IONS		-
	operator identified any plastic pipe and /or components that have shown a record of ts/leaks?	3) t		x	
	If yes, what is operator doing to mitigate the safety concerns?	n g			
	nsmission, has operator submitted information into National Pipeline Mapping System (IS) database along with any changes made after original submittal?	37		x	
	iments:		n e		

CYBERSECURITY QUESTIONNAIRE
49 CFR 192.605 Procedural manual for operations, maintenance, and emergencies.
807 KAR 5:022 Section 13(7) Continuing surveillance of operational systems.

		•	, . :	Yes	NO	NA	NC
					×	. ,	
Notes lo control pressure gas c	omputer syster	ns in place at this	time.				
Has the operator deve						ssing and	
				Yes	No	NA	NC
				4	×	1 1 1	
Notes			l-d				
Has the operator utiliz					ed specifi	ically with	
				Yes	No	NA	NC
			* () () () () () () () () () (. X		
Notes			TO SECURE STATE OF STREET, SECURITION OF STR				•

1. Does the operator utilize any business or operational systems which may be vulnerable to cybersecurity

4. Are cybersecurity th	hreats considered as part o	f the operator's	overall op	perations and	l mainten	ance plan	<i>is?</i>
•	•						
				Yes	No	NA	N

٠,			Yes	No	NA NO	:
· •	r			×		
Notes	and the state of t					
			±1:		•	
<u></u>	مراجعة والمراجعة	and the same of th	, 			

5. Has the operator experienced any cyber-attacks related to its business or operational systems? Describe.

	:				Yes	No	N,A	NC
•		-	. •			x		
Notes	 				print, tim Cristique Avendra et Print Deservation	AT MARCON LAND BY LAND BY		
. :	٠			•	• •			

6. Identify personnel with specific responsibilities for cybersecurity within your organization?

Of Identity personner with specific responsibilities for cycersecurity within y	car organiz	00011:		
	Yes	No	NA	NC
			×	
Notes				
HOLES				
				•





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APPENDIX C

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016

City of Liberty

P.O. Box 127 • Liberty, KY 42539

RECEIVED

SEP 2 1 2015

PUBLIC SERVICE COMMISSION

September 16, 2015

Jason Hurt, PE
Manager, Gas Pipeline Safety Branch
Kentucky Public Service Commission
211 Sower Blvd.
PO Box 615
Frankfort, KY 40602

RE: 2015 Natural Gas Standard Inspection – City of Liberty Gas System

Dear Mr. Hurt.

Thank you for your recent standard inspection of the City of Liberty's Gas System. During the inspection, our gas system received seven (7) deficiencies. The following response will explain the corrective actions we are taking, and how the City of Liberty will bring each deficiency into compliance.

Deficiencies

1. Finding – The inspection found that Liberty Gas had not performed cathodic protection monitoring tests since 2013.

Corrective Action – The City of Liberty had failed to perform cathodic protection monitoring. In August 2015, the majority of our system's meters have been painted and inspected. The few remaining will be completed by the end of this month (September). We are currently working on a schedule which will outline all required monitoring and when it needs to be completed. We are confident this schedule will keep us from failing to perform the cathodic protection monitoring in the future.

2. Finding — The inspection found that Liberty Gas had not inspected and tested its regulator stations since 2013.

Corrective Action – The City of Liberty's regulator stations were inspected and tested by Cox Meter Service on August 25 and 26, 2015. A copy of each regulator inspection is enclosed. We have arranged for this company to perform the regulator inspections and testing each year in the future.

3. Finding — The inspection found that Liberty Gas had not performed inspections on its critical distribution system valves since 2013.

Corrective Action – The City of Liberty Gas System's operators inspected its critical distribution system valves on July 14, 2015. The valve located on Button Knob was dug out and fixed so it's



City Hall (606) 787-9973

(606) 787-6691

Fax (606) 787-7992

TDD # 1-800-247-2510



easily accessible. The operators will be working off a set schedule for inspections of the critical distribution system in the future so this will not be missed again.

 Finding – The inspection found that Liberty Gas had not performed leakage surveys in its business districts since 2009.

Corrective Action – Liberty Gas has contacted Heath Consultants, whom will be performing the leakage survey inside our business districts. We are currently trying to schedule a time for them to come before the end of the year 2015. This will be scheduled with them annually to ensure the leakage survey is performed according to regulations.

 Finding — The inspection found that Liberty Gas' Operation and Maintenance Manual requires leakage surveys every 3 years outside its business districts and that Liberty Gas had not performed leakage surveys outside its business districts since 2009.

Corrective Action — As stated above in Corrective Action #4, the City of Liberty gas system has contacted Heath Consultants. They will be performing our leakage survey for outside business districts before the end of the year 2015. This will be scheduled with them every 3 years to ensure the leakage survey is performed according to our Operation and Maintenance Manual.

 Finding – The inspection found that Liberty Gas did not deliver its public awareness baseline message two (2) times per year as required in API RP 1162.

Corrective Action – The City of Liberty's Gas public awareness baseline message was delivered to all residential and commercial gas customers, as well as contractors, on August 6, 2015. I mistakenly thought what we were previously doing was sufficient. We will now make sure this message gets delivered twice a year. A copy of what was delivered is enclosed.

7. Finding - The inspection found that Liberty Gas did not have documented welding procedures.

Corrective Action – The City of Liberty Gas System is currently working on a welding procedures manual. We will have it officially on file by the end of this month (September).

It was also recommended that Liberty Gas review its point of delivery with Texas Eastern Transmission to verify the termination point of its pipeline system. The Liberty Gas system operators are in the process of contacting Texas Eastern Transmission and setting up a meeting to verify the termination point. This should be taken care of within thirty (30) days.

Please feel free to contact me at (606) 787-9973 or libertybb@windstream.net, if you have any questions or concerns.

Sincerely,

Bridgett Blake City of Liberty

Budgett Blake

CALL BEFORE YOU DIG!

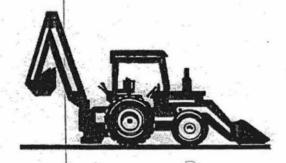
WHAT YOU DON'T SEE COULD HURT YOU

Digging without a call to Kentucky Underground Protection, or 811 could result in:

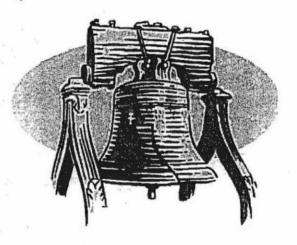
- Accidents or Injuries
 - Legal Problems
- · Damage to the Environment
- Interruption of Utilities or Services
 - Job/Project Delays

Residents, contractors and others planning to dig in Kentucky

CALL 811 TWO
BUSINESS DAYS
BEFORE YOU DIG



CITY OF LIBERTY



A Guide to Safe Digging in Kentucky for Residents and Contractors

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718

502-465-3037

	Tow Likent		Station Number Station Name	1)/+
Relief Valve Alake Fisher	10711	-205.55	Size / 17	Body Rating
Mrg. Serial No. Moral		Date _	A SA TO SA	
Type of Loading: Spring X Range of Loading	Pilot Type		Other:	
Range of Loading				
Execution of Control Line				
Demoka	55 D	11.		
ocation of Relief Valve Lownstre	m or Kedi	Charter		A Marian Committee of the Committee of t
silel Yalve Set To Relieve Att)8 "	Set With	Gause? UES	1960 - 1960
there a valve under the Rellef Valve: Yes	☐ No ☐ Type 🖺		coulet volusize_	<u>L'</u>
there a 14" tap between valve and relief	Yes 🔲 🦰 No 🔀		OF keg.)	
zo of vent stack: None				
pe cap on vent stack: Weather Cap	· V	Other	•	
an is used is top 3" of vent stack painted		J of relief yalv	'E	
Seat Orific	e	Diaphragm	Yent	Baaı
el valvo orifice size	<u></u>			*
MENTS: Blew. Relief	- Found	Set ot	<u> 28</u> #	
All the second states and the second		·		

l:26-15	ſ	12810]	E Col	
	Inspector 🚣	~ + wypu	· · · · · · · · · · · · · · · · · · ·	

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718 502-465-3037

- A	Town LiBerty	Station Nu	D. C.11.
of Valve blake	M. Type AXID-Flo	Size a	Body Rating BOO*
Serial No. 81409	The state of the second of the second of the	Date	
e of Loading: Spring	Pilat Type ZSC-	-150 Others	
ge of Loading 10-75		er.	
	A		
ation of Control Line Thets	ide OF Leves		
	The state of the s	Δ	
ition of Relief Valve Dewi	astrem contlet value o	of Legislan	
ſ Yalyo Set To Relieve At:	28*	Set With Gauge?	
ice a valve under the Relief Val			- ð"
re a 14" tap between raive and			
of vent stack:	3"		
sep on vent stack: Weather Cap	P Cen Othe	r	
Is used is top 3" of yent stack	k painted red: Yes 🔲 No 🛄		
,			
	CONDITION OF RELIE	EF YALYE	·
Seat	Onlice Diaphragi	m Yent	Bool
ralve orifice alzei			
Y	VecLb:	s	
urs. Wein	Lobiet tokend S.	et at 28 °	,

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36-15	Inspector Wat	hyper & Cof	<u></u>
9		//	- ,

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42715

502-465-3037

REGULATOR

INSPECTION REPORT

	Town LiBerty	Station Number But tou Wet
Reg. Make Fisher	Type 627-R	Size Body Rating 1000
Mrg. Serial No. NONC	Date Regulator In	
and the second	PRESSURE INFORMATION	
INCET L	Ουτιετ	PRESSURE CONDITIONS CHANG
Present Cylindria		From
Maximum Pressure (winter) Minimum Pressure (symmer)		Infer Outlet
	PRESSURE RECORDER	
UPSTREAM: Type NONE	Range S.N.	CHART CHANGED: Daily
DOWNSTREAM: Type NONE	Range S.N.	GHART CHANGED: Daily
	CONDITION OF REGULATOR	
Valve Seat OR Di	iaphragm Packing	Vent Ofter StrokeOil
	INNER VALVE AND SEAT INFORMAT	
ouble Pore Camp. Dis	size S/g OliFice	TypeTravel
iotic Port O-Ring		Lap-Bottom Guide Skirt G.
	LOADING AND CONTROL	
ype of Loading: Spring 15-40 w	Pilot Type Secial No.	Instrument
ype Auxiliary Reg.s	Condition S	
estion of Control Line		
ving Agent for Supply Gas HONE		Jate Changed
••	DDITIONAL INFORMATION ABOUT REGU	
aphragm Size 57b	· .	Closes Yalve
«himselin otto —————————————————————————————————	r teadate Oberta Again	C102G2 481AG
this Valve in Scrips with other raive	In Parallel	
this Valve in Series with other valve	e	
this Valve in Series with other valve	No Est. Leakage	
this Valve in Series with other valve	e	
this Valve in Series with other valve	No Est. Leakage	
this Valve in Series with other valve	No Est. Leakage	
this Valve in Series, with other valve	NO ESI. Leakage A	
this Valve in Series, with other valve	NO ESI. Leakage Led ORIFICE, SEAT & Shut FINSTALLATION: Good Fair Po	OFF-OK
this Valve in Series with other valve s Heater NONE Typ I Regulator Have 100% Shut-Off: Yes X MIMENTS OR REPAIRS MADE: CLECK LERAL CONDITION AND APPERANCE OF	NO ESI. Leakage Led ORIFICE, SEAT & Shut FINSTALLATION: Good Fair Po	OFF-OK
this Valve in Series with other valve s Heater NONE Typ I Regulator Have 100% Shut-Off: Yes X MIMENTS OR REPAIRS MADE: CLECK LERAL CONDITION AND APPERANCE OF	NO ESI. Leakage Led ORIFICE, SEAT & Shut FINSTALLATION: Good Fair Po	OFF-OK
this Valve in Series with other valve s Heater NONE Typ I Regulator Have 100% Shut-Off: Yes X MIMENTS OR REPAIRS MADE: CLECK LERAL CONDITION AND APPERANCE OF	NO EST. Leakage Led OPLFICE, Seat & Shut FINSTALLATION: Good Fair Po D. (list specifically and in detail)	OFF-OK
this Valve in Series with other valve S Heater NONE Typ I Regulator Have 100% Shut-Off: Yes X MMENTS OR REPAIRS MADE: LIECE IERAL CONDITION AND APPERANCE OF MTENANCE AND/OR CHANGES NEEDED	NO ESI. Leakage Led ORIFICE, SEAT & Shut FINSTALLATION: Good Fair Po	OFF-OK

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ry. 42718 502-465-3037

INSPECTION REPORT

Top Run

	Town	Station Name & Station
Rog. Make FISher.	Type 627-R	Size Body Rusing 000
Nig. Serial No. MONE	Date Regulator In	
	PRESSURE INFORMATION	PRESSURE CONDITIONS CHANGI
Maximum Pressure (winter) Minimum Pressure (summer)		From To
UPSTREAM: Type NONE	PRESSURE RECORDER Range S.N.	CHART CHANGED: Daily frkly_
DOWNSTREAM TYPE NONE	CONDITION OF REGULATOR	CHART CHANGED: Daily
Valve Seat Ok		Vent Oken. Stroke Oil
Souble Port Con	INNER VALVE AND SEAT INFORMA	TION TypeTravel
gle Port O-R	ting Size 3/8 ORIFICE	Top-Battom GuideSkirt G
ype of Loading: Spring	LOADING AND CONTROL Pilot Type	Instrument
ange of Loading	Serial No	
ype Auxillary Reg.s	Condition	Sents Diaph:
ocation of Supply Line Tying Agent for Supply Oas NON	e	Date Changed
	ADDITIONAL INFORMATION ABOUT REG	
aphragm Size 575 this Valve in Scrips with other valve		Clases Valve
d Regulator Have 100% Shut-Off; X	, Type	
MIMENTS OR REPAIRS MADE:	neck seal, orifice ? Shut a	off-ok
YERAL CONDITION AND APPERAMINTENANCE AND/OR CHANGES IN	NCE OF INSTALLATION: Good Fair X P	oor []
R-26-15	Inspector Lienx	(1) of husten

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718 502-455-3037

REGULATOR

INSPECTION REPORT

	The state of the s	TownLiRest		1	nber Wood Riem
Reg. Make Fisher		Tyoe 99		Size_Q'	Body Rating 300"
Mrg. Serial No. 66071	679	<u> </u>	Date Regulator Instal	: .,	Contraction of
		PRESSURE I	NFORMATION		
		121.3%			
Present	<u> </u>	OUTLET.		PRESSU	JRE CONDITIONS CHANGI
Maximum Pressure (winter) _		- <u> </u>	ia s lale	· —	
Minimum Pressure (summer)			Out	let	<u> </u>
	. 0		RECORDER		
UPSTREAM: Type DPE	in Couge Range	شخب ع	_ S.N	CHART CH	IANGED: DailyWkly
DOWNSTREAM: Type	penge Cosuper		S	CHART CH	IANGED: DailyWkly
	nt.		REGULATOR	Ø5. A	
YalveSeat	Diapheagn	n Pac	king Ver	LECTER SI	okeOil
	[NN]	ER VALVE AND	SEAT INFORMATION	N	
louble Port	_ Comp. Disc	Ste	Disg.	Турс	Travel
le Port	O-Ring	Size	Piss ORIFICE TOP	-Bottom Guide	Skirt G
	4.	LOADING AN	D CONTROL		
rpe of Loading: Spring Los	_ 	Pilot Type_C	J-H	_ Instrument	
ange of Loading	è	Coadilfon	Serial No Seni		
ication of Control Line	DOWNSTRAM	~ OF Legul	2/01		Disph:
esting of Supply Line SCO	H		<u> </u>		
ying Agent for Supply Gas	ב טוטער		Date	Changed	
	ADDITIO	NAL INFORMATIO	IN ABOUT REGULA	NTOR :	
phragm Size				Closes Yalve .	
his Valve in Series, with other			In Parallel	 	· · · · · · · · · · · · · · · · · · ·
Regulator Have 100% Shut-C	Type	Gellerbase	· · · · · · · · · · · · · · · · · · ·		
MENTS OR REPAIRS MADE		 .		AFF - F	\f.
MENTS OR REPAIRS MADE	i Lineckea	SCAL, UKI	The 3 Said	UFI L	
,					
ERAL CONDITION AND AP	PERANCE OF INSTA	LLATION: Good	Fair N Poor	7	
TENANCE AND/OR CHAN		· · · · · · · · · · · · · · · · · · ·			<u></u>
	•				
					
			·	7	
2-Ab-15			(BX &	1,1841. L	
269		ln	special Control	Wei mate	

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718 502-465-3037

REGULATOR

INSPECTION REPORT

		FRONT Regulative	
		Stand By Run	Station Number WOOD Rum
- A		Town hi Beidy	Station Name Lage T.B
Reg. Make John		Type AXIA-Flued	Size O Body Rating 800"
Mig. Serial No	43164	Date Regulator Ins	alled 2
		PRESSURE INFORMATION	
Present		OUTLET	PRESSURE CONDITIONS CHANGE
Maximum Pressure Minimum Pressure		talifire and a supplied to the second of	etet utlet
		PRESSURE RECORDER	
UPSTREAM: T	Soema	Range O 800 S.N.	CHART CHANCED - D. H.
OWNSTREAM: I		Range 6 0 0 50.	CHART CHANGED: DailyYEIy
		CONDITION OF REGULATOR	
/alvo	SeatDi	aphragm Packing	
		INNER VALVE AND SEAT INFORMATI	
ouble Port	Comp. Disc		op-Bottom Guide Skirt G.
		LOADING AND CONTROL Pilot Type ZSC-100	
ype of Loading	25-150*	Serial No.	Instrument
roe Auxiliary Rog.:	<u> </u>		al: Diaph:
eation of Control cation of Supply L	Line 3 DOWN STRE	May DE Keg.	
	ply Gas None	D	ate Changed
1	AD	DITIONAL INFORMATION ABOUT REGU	
aphragm Size	Sm	Pressure Opens Valve	Closes Valve
this Valve in Serie	s. with other valve	In Parallel	
s Heater	190% Shut-Off: Yes X		
	AIRS MADE: PEDLO		at Cle Shut OF Blew
	AIRS MAUE: E CANOC		- Ca-Carac Di, Olso -
STRAyer	sel pres a	r los"	
		FINSTALLATION: Good Fair Poo	r 🗍
NTENANCE AND	/OR CHANGES NEEDED	(list specifically and in detail)	
	~~~		
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8-26-15	<del></del>	Inspector (DX = )	Dail .
D 00.17		Inspector CDX:	nettentan

# Cox lifeter Service Inc. 103 Lackspur Lane Campbellsville, Ky. 42718 502-465-3037

INSPECTION REPORT.

40.00	Town	Station Name Leg. States
Reg. Make Mooney	Type Flow GRA	Size_OX Body Rating
Mrg. Serial No. 139639	Date Regulator Install	ęd
	PRESSURE INFORMATION	
Present INLET	OUTLET	PRESSURE CONDITIONS CHANGE
Present Maximum Pressure (winter)	lnter	From To
Malmum Pressure (summer)	Outl	
	PRESSURE RECORDER	
UPSTREAM: Type HULLICAN	Range 0-250 S.N. 172966	CHART CHANGED: Daily WEIGH
DOWNSTREAM: Type 11	Range O-SO* SN	CHART CHANGED: DailyWily &
at.	CONDITION OF REGULATOR	
Valve Seat Olc D	laphragm DC Packing Ven	
	INDER VALVE AND SEAT INFORMATION	
Pouble Port Comp. Di		Type Travel
U-King		Skirt G.
	LÖADING AND CONTROL  Pilot Type Messes	
ype of Loading: Spring	Serial No	Instrument
ypi Auxillary Rog.s Nowe.	Condition Sout:	Disph:
ocation of Supply Line Body.	W 80 1-190-100	
ying Agent for Supply Gas None	Date	Changed
A	DDITIONAL INFORMATION ABOUT REGULA	TOR
	Pressure Opens Valve	Closes Valve
this Valve in Series with other valve Types Heater Type		
I Regulator Have 100% Shut-Off: Yes	· · · · · · · · · · · · · · · · · · ·	
MMENTS OR REPAIRS MADE: FOCE	d Metal Shavings IN Boo	T- Thefulled New BOOT
	······································	
Check Shut OFF-0	E- Sel Press A! CS	<del></del>
IED 44 CONDITION AND ADDROLLING	FINSTALLATION: Good R Fair Poor	7
IERAL CONDITION AND APPERANCE O NTENANCE AND/OR CHANGES NEEDE	D. (list specifically and in detail)	
		<i></i>
*************************************	Inspector Wether	

# Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ry. 42718 502-465-3037

## REGULATOR

INSPECTION REPORT

		lipail.	Station Number Dhip Ave
Reg. Make Moon	e	Town LiBerty  Type Flow GRID	Station Name Keg. Stotion
•			Size OX 1 Body Rating 150
Mrg. Serial No	1 169637	Date Regulator Instal	led
	, , , , , , , , , , , , , , , , , , ,	PRESSURE INFORMATION	
	INLET	OUTLET	PRESSURE CONDITIONS CHANGI
Present	INLET.	27	From To
Maximum Pressure (	winter)	Inle	
Minimum Pressure (s	nuwet)	Out	ct
		PRESSURE RECORDER	
UPSTREAM: Typ	- Humican Ray	nee 0-2504 S.M. 172966	CHART-CHANGED-Daily Weige
DOWNSTREAM: Typ	- AMENICAN RE	nge ST SD S.N.	CHART CHANGED: Daily Wkly A
		CONDITION OF REGULATOR	
Valve	Seat OK Diaghes	agm OlC Packing Ven	it Office Strake Oil
	•	MER VALVE AND SEAT INFORMATION	
louble Port	Comp. Disc	Steel Disc. Size 10070 Top.	Typs Travel
gle Port	U-King		-Bertom GuideSkirt G
		LOADING AND CONTROL	
ype of Loading: St	pring	Pilot Typo Noovei	Instrument
ange of Loading <u> </u>	Nogle	Serial No Seat	- i
	ine 1 Dunstrem		Diaph:
ocation of Supply Lie	ne		
ying Agent for Suppl	iy Gas <u>N'ONE</u>	Date:	Changed
	ADDIT	IONAL INFORMATION ABOUT REGULA	
aphragm Size			<u>.</u>
this Valve in Series	with other valve	Pressure Opens Valve In Parallel	Closes vaive
Heater No			4
	O% Shut-Off: Yes 🔀 f		·
MMENTS OR REPAI	IRS MADE: Found 1	notal Shawings in BOOT - Pa	-nuced
		<u> </u>	
Charle Duit	off-oc su	Miners pt 27#	
<del></del>	<del></del>		
NERAL CONDITION	AND APPERANCE OF IN	TALLATION: Good 💢 Fair 🗌 Poor{	J ·
Intenance and/	OR CHANGES NEEDED. (II:	st specifically and in detail)	<del></del>
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8.92-12		Inspector Wather	he i lest

# Cox Meter Service Inc. 103 Lickspur Lane Campbelliville, Ky, 42718 502-465-3037

INSPECTION REPORT

Ristoiet	TownLiBerty	Station Name Race 7.8
Reg. Make + MERICAN	Type Hxipt Flow	Size D' Body Rating Book
Mg. Serial No. MA	Date Regulator Installer	
	PRESSURE INFORMATION	
Present	OUTLET	PRESSURE CONDITIONS CHANGI
Maximum Pressure (winter)	Inter	rran T _o
Malmum Pressure (summer)	Outlet	
7	PRESSURE RECORDER	
UPSTREAM: Type Stany Copunge	Range O-BOO S.N.	CHART CHANGED: Daily Welly
DOWNSTREAM: Type AMELICANS	_Range	CHART CHANGED: Daily Ykly K
	CONDITION OF REGULATOR	
Valve Seat New Di	aphragm ReD. Packing Vent	Olen Stroke Oil
	INNER VALVE AND SEAT INFORMATION	
lauble Part Comp. Disc		Type Travel
ingle Port O-Ring	. Size 30 1/2 K. Top-B	oltom GuideSkirt G.
Marie Carlos Car	LOADING AND CONTROL	
of Loading: Spring	Pilot Type ZSC-100	astrument
rie auxillary Reg.s NONE	Condition Seat:	Diaph:
cation of Control Line 4 Down 5	rown of Regulator	
cation of Supply Line Block ring Agent for Supply Gas MONE	Date C	
	DITIONAL INFORMATION ABOUT REGULAT	
phragm Size		Closes Valve
Heater NONE Type		
Regulator Have 100% Shut-Off: Yes 🔀	No Est. Leakage	
MENTS OR REPAIRS MADE: COM	ed Diet From Cages of Keg	rulator - Bewstrainen.
enhand PUT seal ! DIA	They work New Hot	Doel
Check Shutoff- OK-	SET Dress AT 110 F	
RAL CONDITION AND APPERANCE OF		,
TENANCE AND/OR CHANGES NEEDED		· · · · · · · · · · · · · · · · · · ·
- <del></del>		
	<u> </u>	
<del></del>		
8-25-15	Inspector Wethney	. & Cok
	inspector 22 - Files	

Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718 502-455-3037

	/ .p.of		Modeum Ridge
A	TOWN LIBRATY	Station Name	loc School Kang State
Relief Valve Make AMEL.	Type Hxipl-Flows	Size O	Body RatingBoo*
Mrg. Serial No. 53331	Date		
Type of Loading: Spring	Pilot Type ZSC-ISD	_ Other:	
Range of Londing Jaged 100-225			
Exception of Control Line Tuetside O	OF Keelie(	THE STATE OF THE S	
A A D	<u> </u>		
ocation of Rellef Valve Ond" Rese	r ourside of 1810g.		
31#		the c	
clief Valve Sot To Relieve At:	Set With Gau	Size C	or
there a valve under the Relief Valve: Yes		Size _S	
be size of vent stack:	S (S) NO (1) NOW	•	
po size of vent stack; Weather Cap	Carl Other		
an is used is top 3" of yent stack painted re			
The state of the s	103 CJ. 110 CJ		
	CONDITION OF RELIEF VALVE		
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and the same of the same		سنم	
of raive orifice size			-
cityat			•
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		Λ	•
8.95-15	Inspector Wethington.	E (OX	_
,	Inspector	<u>,                                     </u>	

# Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718 502-465-3037

outre.	Town LIBERTY	. [	Station Number A B. Station		
elief Valve Make HWEFICAN	Type AXIAL Flow s	ize 3"	Body Rating Boo*		
1g. Serial No. 39338	Daje	and the same of the same			
pe of Loading: Spring	Pilot Type ZSC-15D	Other:			
Inge of Lasding 100-235			The state of the s		
		en e	The state of the state of		
ocation of Control Line Tuet Scale	OF COURT				
cation of Relief Valve Doubustre	um outlet Uslues OF	Legislaturs			
The state of the s	Andreas Contractions and the second				
lief Yelyo Sci To Rolleyo At:	Set With Gau	BE? UES			
here a valve under the Rellef Valve: Yes	NO Type NORDSTEISM	Size	<u> </u>		
there a M" tap between valve and relief					
ize of vent stack:					
gap on yent stack: Weather Cap	Can Other				
is used is top 3" of yent stack painted	red: Yas No No				
	CONDITION OF RELIEF VALVE				
Seat Orifice	e Diaphragm	Yent	Boot		
		.*			
ef valve orifice size	<del></del>				
icityat	Lbs.	_	•		
MENTS: Blew Kelier	=- Found SOTAT 15	-8 r			
1	)				
	1	<i>*</i>			
8-96-12	Inspector Wethington.	: ( @X			
8-25-15	,		•		
			•		

# Cox Meter Service Inc. 103 Larkspur Lane Campbellsville, Ky. 42718 502-465-3037

			Station Number	ahip th	je je
	TOWN LIBERTY	•	Station Name.	Keguhin &	stow
Ist Valve Make Kisker	Type_/80	gSize.	<del></del>	_ Body Railing_	100
. Serial No. R000 148779	The second of th	Date			
e of Loading: Spring	Pilot Type 6	358 B	Other:		
ise of Loading - 15-:40"				+ 3	
		and a graphy and the second	***	\$ 18°	
estion of Cantral Line Body			1		
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ere a valve under the Relief Valve: Ye	12 No 🔲 Type	STOD	Size	) · · · · · · · ·	· · · · · · ·
ere a M" tap between valve and relief					
size of vent stacks					, ,
on yent stack: Weather Cap	Can	_ Other			
ls used is top 3" of vent stack paints			· · · · · · · · · · · · · · · · · · ·		
					•
	CONDITION OF	RELIEF YALVE	:		
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valve crifico size		· ·	9 e		•
yat	· .	<u></u>	•	,	
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192-12	. 1	Usthigh & C	er P		
	Inspector	- magne I.	1.		
<b>k</b>		•			

## ARC RANDOLPH & ASSOCIATES, LLC

This is to confirm that

Larry G. Cox

of "Cox Meter Service"
has the knowledge to perform Operator Qualification task:

M-4: "Inspect/Test Pressure Limiting Stations & Devices"

Dated the 26th day of February in 2015

D.J. Nedelk M.S. President

### APPENDIX D

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016



Charles G. Snavely Secretary Energy and Environment Cabinet



Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd,
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

Michael J. Schmitt Chairman

Robert Cicero
Vice Chairman

Daniel E. Logsdon Jr. Commissioner

September 6, 2016

Mr. Steve Sweeney Mayor City of Liberty Gas Company Courthouse Square P. O. Box 127 Liberty, KY 42539

Re: Periodic Gas Inspection

City of Liberty Gas Company Gas System

Casey County, KY

Dear Steve Sweeny:

Public Service Commission staff performed a periodic inspection of the City of Liberty Gas Company gas system on June 23, 2016, reviewing utility operations and management practices pursuant to Commission regulations. The report of this inspection is enclosed with this letter.

Based on the inspector's observations, the following deficiencies were identified:

- 192.723(b)(1) The City of Liberty has not conducted leakage surveys on its business district each year. Last records were 2009 from Heath Contractors.
- (2) 192.723(b)(2) The City of Liberty has not conducted leakage surveys outside its business district. Last records were 2009 from Heath Contractors. The City of Liberty Operation and Maintenance interval is every 3 years.

For the two deficiencies listed above, an explanation of why these deficiencies occurred and how these deficiencies will be remedied and prevented in the future needs to be provided. A letter addressing the organization's actions regarding the deficiencies needs to be submitted within 30 days from the date of this letter.

Seven deficiencies were noted on the previous inspection on July 7, 2015. The two above deficiencies are continual deficiencies from the prior inspection.





Periodic Water Inspection
City of Liberty Gas Company Gas System
September 6, 2016
Page 2 of 2

Please review the enclosed inspection report in its entirety as you will find further information noted in regard to the inspection. If you have any questions regarding this inspection, feel free to contact Bill Aitken at 502-782-2597 or via email at Bill Aitken@ky.gov

Sincerely,

Bill Aitken

Utility Regulatory Safety Investigator
Public Service Commission

Enclosure(s)

Copy: Mr. Gerald G Wilson, Public Works Superintendent, City of Liberty Gas Company, Courthouse Square, P. O. Box 127, Liberty, KY 42539

### INSPECTION REPORT

Y PSC Inspector(s):	Steve Samples	Report Number	era .	Liberty Gas 06232016			
nspection Date(s):	6/23/16	Report Date:	SALANDIA GENERALISMOCTION ALM PROTECTION	6/27/16			
nspection Type:	Standard Comprehensive	☐ Integrity Manageme ☐ Construction	nt Operator	Qualification			
	OPERATO	OR INFORMATION					
ame of Operators	City of Liberty Gas system		OP/ID No.: (If no OP/ID No.; explain 11472				
ype of Facility:	Municipal		Location of Facility: Liberty, KY.				
rea of Operation :	Liberty , KY.						
fficial Operator Cont	act and Address: (Contact	Unit Name and Ac	<u>idress</u>	是可能是 多数是是不是可能			
teven Brown (Mayor) ity of Liberty 18 Middleburg St. berty, KY. 42539							
hone # and Email:	606-787-9973 Libertybb@wi	Indstream.net					
ecords Location:	Same as above						
ersons Title		Phone No.	Email				
iterviewed Clerk		606-787-9973	libertybb@wlnc	Istream net			
	rintendent						
			-				
		The state of the s	+				
as the Operator prov	vided an updated Emerger	ncy Contact List?	Yeś	□ No			
umber of Customers	650						
Number of (Gas Employees) 5							
Gas Supplier: Texas Eastern T		Fransmission					
naccounted for Gas:	ALTOREGO DE LE SELECTION DE LA CONTRACTION DEL CONTRACTION DE LA C						
ervices:	Residential 650	(Commercial	Industrial	Other			
Operating Pressure(s):		I WITHIN HASE IVEAU I WAS BEFORE THE BOOK OF THE		ng Pressure (at time of spection)			
作品(100mm) (100mm) (10	Feeder: 250 psig	The state of the s		240 PSIG			
<b>与全球组织经验</b>	The Last Conference of	150 pslg		100 psig			
	Town: 150 pslg		100 baig	- In			
	Others 27		50				
oes (the Operator hav	Town: 150 psig Other: 27 ve any transmission pipeli	në (above 20% SMYS):	50				



### Summary

This inspection was to check the progress of the previous 7 deficiencies found in 2015.





City of Liberty should perform the leakage surveys required as soon as possible.

Submitted By:

Steve Samples 6/27/16
Utility Regulatory and Safety Investigator IV



### APPENDIX E

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE. COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016

# Sity of Liberty

P.O. Box 127 • Liberty, KY 42539

September 13, 2016

Bill Aitken **Utility Regulatory Safety Investigator** Public Service Commission -211 Sower Blvd. P.O. Box 615 Frankfort, KY 40602-0615

RECEIVED

SEP 16 2016

Public Service Commission

Periodic Gas Inspection

City of Liberty Gas System

Dear Mr. Aitken:

This is in response to a letter from your office dated September 6, 2016 regarding a periodic inspection of the City of Liberty's gas system. During that inspection on June 23, 2016, the inspector observed the following deficiencies:

- The City of Liberty has not conducted leakage surveys on its business district each year. Last records were from 2009 from Heath Consultants.
- The City of Liberty has not conducted leakage surveys outside its business district. Last records were 2009 from Heath Consultants. The City of Liberty Operation and Maintenance interval is every 3 years.

The failure to complete the above mentioned leakage surveys were an oversight on the City of Liberty's part due to the death of our gas supervisor, Ronnie Wesley. Mr. Wesley's job duties included scheduling these surveys, and that duty had been overlooked after his death.

On the date of the inspection the City of Liberty had previously entered into an agreement with Heath Consultants to complete leakage surveys on its business district and outside its business district. Both of those leakage surveys were performed by Heath Consultants from July 19-21, 2016. A copy of the survey is enclosed with this letter.

The City of Liberty now has a calendar with all gas duties listed for our employees. We will be diligent in the future with scheduling and performing all surveys and inspections noted in our Operations and Maintenance Plan.

If you have any questions regarding this letter, please call myself or Bridgett Blake at 606-787-9973 or via email at libertybb@windstream.net.

Steven Brown

Mayor

City Hall (606) 787-9973

Utilities

(606) 787-6691

Fax (606) 787-7992

TDD # 1-800-247-2510



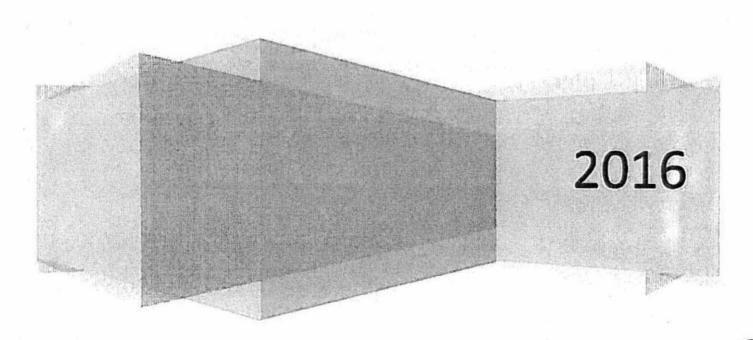
**Leak Survey Report** 

# CITY OF LIBERTY GAS DEPARTMENT

LIBERTY, KY.

**Heath Consultants** 







### Heath Consultants, Incorporated

1645 Murfreesboro Rd. Suite E. Nashville, Tennessee 37217 Office: 615.361.8306

8-5-16

Bridgett Blake City of Liberty Gas Dept. P.O. Box 127 Liberty, KY. 42539

Ms. Blake,

This is your final report of the results obtained during the recently completed gas leakage control survey.

The summary page following will give you further details concerning your survey. Should you have any questions or comments regarding the survey or this report, please contact us @ 615.361.8306.

We appreciate this opportunity to be of service to you and look forward to serving you again in the near future.

Sincerely,

William Luttrell

William Luttrell
w.luttrell@heathus.com
Director of Services, Southeast U.S.
Heath Consultants Incorporated



### SUMMARY OF

Gas Leak Survey

### **LEAKAGE CONTROL SURVEY**

Liberty G	as Department		Liberty,	KY.	4	40	)	
	Client	_	City and	State	_	District or Divisio		
Conduct	ed by our Consu	ltant(s)		Na	than Miller			
Date Start	7/19/2016	-	Date Complete	d	1/2016	_Total Day _	3	
Number of Da	ys		3					
Miles of Main	Surveyed		27.6					
Number of Lea	ak Indications		2					
	Under Groun	d Classific	cation*	Above	Ground Clas	ssification*	6	
	GR-1	GR-2	GR-3	GR-1	GR-2	GR-3		
	0	2	0	0	0	0		
	<b>Key Map Symbols</b>			Leak Indica	tion Classifica	tion*		
	x Indicates Leak In	dication		Grade 1-	Schedule fo	r Immediate Repa	alr	
	IIII Estimated Area	Affected		Grade 2-	Schedule fo	r Repair after Gra	de 1	
	Δ Catch Basin				Indications a	are completed. Re	echeck	
	* Tree				mandatory i	fleak cannot be r	epaired	
	[] House & Building	9			within six m	onths or before fr	ost.	
	-Indicates the M	fain		Grade 3-	Repair as w	ork scheduled pe	mit if	
	Represents o	urbe line or	edge of road		Indications of	cannot be repaire	d within	
	unless designated	as property	line.		one year, in	dication should be	•	
					checked.			

### **Special Cases**

Contact HEATH CONSULTANTS INCORPORATED for further information regarding any Special Cases such as analysis, sample collecting, investigation, verification, survery recheck, etc. Our Consultant will be available on 24-hour notice to assist you.

"Leak indication is not an exact science in spite of use of the most modern instruments plus complete training and experience by the.

Consultant it is impossible to determine the exact condition of underground piping and equipment without actually exposing same. In view of this limitation our Consultant is intended as an aid in scheduling repairs based upon the information available, the Consultants judgment and and site conditions at the time the report is prepared. Variable factors beyond our control may alter this Classification at any time. Main and service line leak indications are classified individually. Classifications for buildings where leakage is found refer to the situation as it applies to the entire building. Individual building leaks are not classified.



### CONSULTANT'S WEEKLY RESUME

ORDER NO.:

CLIENT:	City of L	iberty									WE	EK ENDI	NG:		07/23/1	6
LOCATION:	Liberty	, KY					21			DA	YS TO C	OMPLET	TE SURV	EY:		3
Marie Constant	All Market			UN	DERGR	OUND	LEAKS			ABC	VE GR	DUND I	EAKS			BILLABLE
Date	Town	Miles	Services	1 or C	2 or B	3 or A	Reports	Buildings	Negative	Positive	larC	2 or B	3 or A	Leaks	Reports	
7/17			A S				5. 1.1.		ici.				16			4
7/18				- 1				0						- ,		
7/19	Liberty, KY	9.2														8
7/20	Liberty, KY	9.2	1				, i				-					8
7/21	Liberty, KY	9.2	100		2		2				e i	r" jaze				8
7/22	- Te										3	¥ 2	l e			
7/23																
3112-311C	TOTAL FOR WEEK	27.6	0	0	2	0	2	0	0	0	6	0	0	. (	0	24
	TOTAL THRU LAST WEEK	0	. 0	0	0	0	0	0	0	0	0	0	0		0	6
	TOTAL TO DATE	27.6	0	0	2	0	2	0	0	0	0	0	0	). 	0	24
Day	(40)	DPIR	DPIR Alaria	Passed Test?	RMLD PPM-M	RMLD	Passed Test?	OMD	OMD	Passed Test?	Calibration	verified:	(delete one \	Yes or No)		S/N
Sunday			- COLUMN								1	DPIR	-			
Monday													in resident			
Tuesday		134	5	Y							1		- contra	0		60
Wednisday		138	5	Y							1	M.		(-10-	LVIT	<u>00</u> _
Thursday		135		Y							1		11.1	Consultan	t	
Friday																
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# Leakage Control Report Field Survey



9030 Monroe Rd Houston, TX 77061

The second second		y/County Liberty State			KY					Field Case Number 2016-001						
ak Survey Area Business		Business			-		Y 2	127		_	Field	Case 1	Mumb	er 2016	-00	_
11												GRADI GRADI				
							AK DATA			3			_			_
MD DETECTED BY		Building	5	SOUP	RCE	ASSET	NUMBER	SOTL.	-		SURE	SURF	ACE	Steel	8.5	7
PIR	-	ear Bldg	-	Service	-	-		Cinders	Н	Low	X	Gravel	X	Plastic	+	-
Isual/Vegetation	Marie .	Man Hole	H		ze Tao			Clay	Ħ	High	TH-	Paved	1	Cast Iro	1	_
ombustible Meter		Soll	X	Valve			7772	Loam				Other		Ductile		
Odor	In	Ar		Meter	Set			Sand						Other		
Other	Ot	ther		Regul	ator			Other	X					Sleeved		
The second secon																
	gas	detected	in	Other		6 ft fro	m EOP.	Leak a	ppe	ars (	o be	at tap	tee.			-
emarks: 50%   REA LOCATION: ECHNICIAN No.	- 10.1, 17.0	Comm	ner (He	grav	rel lot (  Ir onsultar	ndustria nts) e comple	ted by qual	Other No DA	n-A	7-21	ntial <u>D</u> -16	1	Res	sidential	_	
emarks: 50% REA LOCATION:  ECHNICIAN No  LEAK CAUSE	athan	Comm	ner (He	grav	rel lot (  Ir onsultar	ndustria nts) e comple	sted by qual	Other No DA	n-P	7-21	ntial <u>D</u> -16	4	Res	sidential	_	
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ECHNICIAN No  LEAK CAUSE Corrosion Natural Forces	athan	COMPONE Pipe Valve	He He	grav	rel lot (  Ir onsultar	ndustria nts) e comple	part of S Main Service	Other No DA	n-F	7-21 reanne PIPE ed	-16	I N	Res	sidential	_	
emarks: 50%   REA LOCATION: ECHNICIAN No LEAK CAUSE Corrosion Natural Forces Material & Welds	athan	COMPONE Pipe Valve Mechanical F	He He	grav	rel lot (  Ir onsultar	ndustria nts) e comple	PART OF S Main Service	DA Iffed field SYSTEM	TE St Co Di	7-21 reanne PIPE eel ist Iron	-16	N B	Res	REPAIR D	_	
emarks: 50%  REA LOCATION:  ECHNICIAN No  LEAK CAUSE  Corrosion  Natural Forces  Material & Welds  Excavation	athan	COMPONE Pipe Vatve Mechanical F	He	grav	rel lot (  Ir onsultar	ndustria nts) e comple	PART OF S Main Service Meter Set Customer Pi	DA Iffed field SYSTEM	TE SK CO CO	7-21 reanne PIPE eel est Iron ectile In	-16		Res umber are pated	REPAIR D	_	
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# Leakage Control Report Field Survey



9030 Monroe Rd Hauston, TX 77061

CRA/County Liberty  Leak Survey Area Residential  GRADE OF CASE  G	ddress Montgomery St @ Whipp Ave					Page Number												
COMPONENT AND EXCHANATION   Cother   Cother And Service   Component   Cother And Service			Resident	ial			-	State	KY	_	-	Fie	ld C	ase N	umb	= 2016	-00	2
DETECTED BY COLLECTING SOURCE ASSET NUMBER SOIL PRESSURE SURFACE PIPE & SIZ OMD In Building Main Rock Low Soil Steel Plastic Orders 1.P. X Gravel Plastic Orders	Mille				*			11.		0 (	0		GR.	ADE ADE	1 _ 2 _		- - -	
DETECTED BY COLLECTING SOURCE ASSET NUMBER SOIL PRESSURE SURFACE PIPE & SIZE  OMO In Building Main Rock Low Soil Steel  DPIR X Near Bidg Service Cnders I.P. XX Gravel Plastic  Visual/Vegetation In Man Hole Service Tap Clare High Paved X Cast Iron  Combustible Meter In Soil Valve Loam Other Outlier Outlier  Odor In Air Meter Set Sand Other Other Other Other  Other Other X Regulator Other X Seeved Cast Iron  Remarks: 20% gas detected in valve box  AREA LOCATION: Commercial Industrial Other Non-Residential Residential X  TECHNICIAN Nathan R Miller (Heath Consultants)  DATE 7-21-16  to be completed by qualified field personnel  LEAK CAUSE COMPONENT AND EXPLANATION PART OF SYSTEM PIPE & SIZE REPAIR DATA  Cormsion Pipe Main Steel Number of Leaks  Natural Forces Valve Service Cast Iron Sare  Meters Set Ductile Iron Coated  Date Rechecked Equipment Tap Other Plastic Date Repaired  Other Outler Plastic Date Repaired  Other Date Repaired  Other Plastic Date Repaired  Other Other Plastic Date Repaired  Other Other Plastic Date Repaired  Other Other Other Plastic Date Repaired				1	he.					- C		1					1	
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### APPENDIX F

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016

Steven L Beshear Governor

Leonard K. Peters Secretary Energy and Environment Cabinet



Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615

Telephone: (502) 564-3940 Fax: (502) 564-3460 psc.ky.gov David L. Armstrong Chairman

James W. Gardner Vice Chairman

March 27, 2012

Steve Sweeney Mayor City of Liberty 518 Middleburg Street Liberty, KY 42539

### PERIODIC REGULATORY COMPLIANCE INSPECTION

On March 12, 2012, Joel Grugin conducted a periodic regulatory compliance inspection of the natural gas facilities of the City of Liberty Gas Company serving approximately 547 customers in Liberty. Kentucky. A copy of the inspection report is attached for your review. No deficiencies were documented during this inspection. The previous inspection was conducted on May 27, 2009. Nine deficiencies were documented during that inspection and all were corrected in a timely manner.

If you have any questions or need additional information, you are welcome to contact me at (502) 564-3940. We appreciate your continued interest in the safe operation of your gas facilities.

JASON R. BRANGERS, P.E., MANAGER, GAS BRANCH, DIVISION OF ENGINEERING

Attachment: City of Liberty Gas Company 031212 Inspection Report

C. Ronnie Weşley





# COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

### UTILITY INSPECTION REPORT

Report Date: 3/27/2012

Report Number: City of Liberty Gas Company 031212

BRIEF

Inspector:

Joel Grugin

Inspection Date:

3/12/2012

Type of Inspection:

Periodic Regulatory Compliance Inspection

Type of Facility:

Municipal

Name of Utility:

City of Liberty Gas Company

Location of Facility:

Liberty, KY

Purpose of Inspection:

Periodic inspection of a municipal operator's facilities and management practices to verify compliance with federal pipeline safety regulations.

Applicable Regulations

49 CFR Part 191, 192, and 199.

### INSPECTION

**Description of Utility:** 

Municipal operator serving the City of Liberty and surrounding area.

**Number of Customers:** 

Area of Operation:

Liberty and some rural accounts in Casey County along the HP feeder

line from Texas Eastern's delivery point.

**Supply Source:** 

Texas Eastern .

Distribution Description: Steel and plastic distribution gas system operating at 240 PSIG to 20

PSIG.

**Workforce Summary:** 

6 Operator qualified employees

Utility Reps in Insp:

Ronnie Wesley

**Date of Last Inspection:** 

5/27/2009

DTR from Last Insp:

DTRs not Cleared:

### Summary of items and facilities inspected:

The Operating and Maintenance, Emergency, Damage Prevention, Operator Qualification, Public Awareness, DIMP and Drug and Alcohol Plans were reviewed during the office visit. Also inspected were records pertaining to leakage surveys and repairs, valve inspections, patrolling, corrosion control, regulator inspections, and odorant verification tests. The field portion of the inspection consisted of inspecting regulator settings, pipeline markers, mainline valve locations, meter installations, and the point of delivery at Texas Eastern facility.



# COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

# UTILITY INSPECTION REPORT

Report Date: 3/27/2012

Report Number: City of Liberty Gas Company 031212

### FINDINGS

### **RECOMMENDATIONS**

### ADDITIONAL INSPECTOR COMMENTS

Ronnie Wesley has done an excellent job in correcting all of the deficiencies from the previous inspection and in maintaining Liberty's natural gas system. The new DIMP regulations which went into effect last year will require more accurate record keeping in the future and I encourage the City of Liberty Gas Company to learn those requirements and to follow the implementation of their plan. No deficiencies were found during this inspection.

Submitted by

1 Trugin

**Útility Regulatory and Safety Investigator III** 



A completed Standard Inspection Report is to be submitted to the Director within 60 days from completion of the inspection. A Post Inspection Memorandum (PIM) is to be completed and submitted to the Director within 30 days from the completion of the inspection, or series of inspections, and is to be filed as part of the Standard Inspection Report.

	Inspection Report	Post Inspection Memorandum						
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Records Location:	1518 Middleburg ST Lin	Der Ty	42539	Activity#				
Unit Type & Comm			l de la Colon de l					
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mormation not required if included on page 1.

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605(b)(4)	Procedur	es for gathering data for i			<u> </u>				- 1	
	191.5	Immediate Notice	of certain incidents	to NRC (8	00) 424-880	2. or electron	ically at		, ,	{
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e esta j	operator	and others, or both, but	excluding cost of gas lo	ost, unintentional	estimated gas			•/	i (	."
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	191.22 https://or	Each operator must operator mu	obtain an OPID, valid	ate its OPIDs, a	nd notify PH	MSA of certain	events at			- [
	191.23	Reporting safety-relat	ed condition (SRCR)	• • •			. , ,		·	一.
•	191.25		in 5 days of determinati	on, but not later t	han 10 days af	ter discovery		7		2.
-1	191.27	Offshore pipeline con	dition reports - filed wi	thin 60 days after	the inspection	ıs	100			
505(d)	Instruction	ons to enable operation a	nd maintenance personn	el to recognize po	tential Safety	Related Conditi	ons			$\neg$
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3(c)		CUSTOMER AND	EFV INSTALLATI	ON NOTIFICA	ATION PRO	CEDURES		S	Ur	1/AN/
Ì	.16	Procedures for notifyi service lines not maint	ng new customers, with ained by the operator.	hin 90 days, of th	heir responsib	ility for those se	lections of			
	.381		hey must meet the perfo	ormance requirem	ents of §192.3	81				
	.383	If the operator has a ve	oluntary installation pro	gram for excess fl	ow valves, the	program			T	
			ments outlined in §192.3						1 1	- {
	.383	If the operator does no accordance with §192	t have a voluntary progr	ram for EFV insta	llations, custo	mers must be not	ified in			

Unless otherwise noted, all code references are to 49CFR Part 192. S-Satisfactory U-Unsatisfactory N/A-Not Applicable N/C-Not Checked
If an item is marked U, N/A, or N/C, an explanation must be included in this report.

.605(a)		NORMAL OPERATING and MAINTENANCE PROCEDURES	s	Ū	N/AN/C
	.605(a)	O&M Plan review and update procedure (1 per year/15 months)			
	.605(b)(3)	Making construction records, maps, and operating history available to appropriate operating personnel	V	_	
	.605(b)(5)	Start up and shut down of the pipeline to assure operation within MAOP plus allowable buildup			
	.605(b)(8)	Periodically reviewing the work done by operator's personnel to determine the effectiveness and adequacy of the procedures used in normal operation and maintenance and modifying the procedures when deficiencies are found	1	     	
	.605(b)(9)	Taking adequate precautions in excavated trenches to protect personnel from the hazards of unsafe accumulations of vapors or gas, and making available when needed at the excavation, emergency rescue equipment, including a breathing apparatus and a rescue harness and line	1		
	.605(b)(10)	Routine inspection and testing of pipe-type or bottle-type holders			
	.605(b)(11)	Responding promptly to a report of a gas odor inside or near a building, unless the operator's emergency proced. under §192.615(a)(3) specifically apply to these reports.	7		
,	.605(b)(12)	Implementing the applicable control room management procedures required by 192.631.	7		

1	Comments:		
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.605(a)		CHANGE in	EDURES	S	ប	N/A N/C		
	.609	Class location study				 10	,	
	.611	Confirmation or revision of N	ИАОР			1		

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513	{	CONTINUING SURVEILLANCE PROCEDURES	S	U	N/A	N/C
	.613(a)	Procedures for surveillance and required actions relating to change in class location, failures (including cast iron circumferential cracking), leakage history, corrosion, substantial changes in CP requirements, and unusual operating and maintenance conditions (NTSB B.8)	<b>'</b>			
	.613(b)	Procedures requiring MAOP to be reduced, or other actions to be taken, if a segment of pipeline is in unsatisfactory condition	/			

omments:

5(a)	DAMAGE PREVENTION PROGRAM PROCEDURES	s	U	N/AN/C	}
	.614(c) Participation in a qualified one-call program, or if available, a company program that complies with the following:				

Unless otherwise noted, all code references are to 49CFR Part 192. S-Satisfactory U-Unsatisfactory N/A-Not Applicable N/C-Not Checked
If an item is marked U, N/A, or N/C, an explanation must be included in this report.

.605(a)	DAMAGE PREVENTION PROGRAM PROCEDURES	s	U	VAN/C
	(1) Identify persons who engage in excavating	1	-	
	(2) Provide notification to the public in the One Call area	2		_
	(3) Provide means for receiving and recording notifications of pending excavations	V		.
	(4) Provide notification of pending excavations to the members	V		
	(5) Provide means of temporary marking for the pipeline in the vicinity of the excavations	V		
·	(6) Provides for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged	v		
	(i) Inspection must be done to verify integrity of the pipeline	V		
	(ii) After blasting, a leak survey must be conducted as part of the inspection by the operator	7		

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	EMERGENCY-PROCEDURES	S.	U	N/A	N/q
.615(a)(1)	Receiving, identifying, and classifying notices of events which require immediate response by the operator	V			
.615(a)(2)	Establish and maintain communication with appropriate public officials regarding possible emergency	V			
.615(a)(3)	Prompt response to each of the following emergencies:				
	(i) Gas detected inside a building				
	(ii) Fire located near or directly involving a pipeline	1			
12.8	(iii) Explosion near or directly involving a pipeline	7	.,		
 	(iv) Natural disaster	7		·	
.615(a)(4)	Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency	1/2	·		i
.615(a)(5)	Actions directed towards protecting people first, then property.	1			· -
.615(a)(6)	Emergency shutdown or pressure reduction to minimize hazards to life or property				
.615(a)(7)	Making safe any actual or potential hazard to life or property. Response should consider the possibility of leaks in multiple locations caused by excavation damage and underground migration of gas into nearby buildings. (NTSB B.9)	1	· ·		
.615(a)(8)	Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials				
.615(a)(9)	Instructions for restoring service outages after the emergency has been rendered safe				
.615(a)(10)	Investigating accidents and failures as soon as possible after the emergency				
.615(a)(11)	Actions required to be taken by a controller during an emergency in accordance with 192.631.				
.615(b)(1)	Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action				
.615(b)(2)	Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training	/			
.615(b)(3)	Reviewing activities following emergencies to determine if the procedures were effective				
.615(c)	Establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies	/			
	.615(a)(2) .615(a)(3)  .615(a)(4)  .615(a)(5) .615(a)(6) .615(a)(7)  .615(a)(8)  .615(a)(10) .615(a)(11) .615(b)(1)  .615(b)(2)  .615(b)(3)	.615(a)(1) Receiving, identifying and classifying notices of events which require immediate response by the operator .615(a)(2) Establish and maintain communication with appropriate public officials regarding possible emergency .615(a)(3) Prompt response to each of the following emergencies: .(i) Gas detected inside a building .(ii) Fire located near or directly involving a pipeline .(iii) Explosion near or directly involving a pipeline .(iv) Natural disaster .615(a)(4) Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency .615(a)(5) Actions directed towards protecting people first, then property615(a)(6) Emergency shutdown or pressure reduction to minimize hazards to life or property .615(a)(7) Making safe any actual or potential hazard to life or property. 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(NTSB B.9)  615(a)(8) Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials  615(a)(10) Instructions for restoring service outages after the emergency has been rendered safe  615(a)(11) Actions required to be taken by a controller during an emergency in accordance with 192.631.  615(b)(1) Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action  615(b)(2) Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training  615(b)(3) Reviewing activities following emergencies to determine if the procedures were effective  Establish and maintain liaison with appropriate public officials, such that both the operator and public	615(a)(1) Receiving, identifying, and classifying notices of events which require immediate response by the operator  .615(a)(2) Establish and maintain communication with appropriate public officials regarding possible emergency  .615(a)(3) Prompt response to each of the following emergencies:  (i) Gas detected inside a building  (ii) Fire located near or directly involving a pipeline  (iii) Explosion near or directly involving a pipeline  (iv) Natural disaster  .615(a)(4) Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency  .615(a)(5) Actions directed towards protecting people first, then property  .615(a)(6) Emergency shutdown or pressure reduction to minimize hazards to life or property  .615(a)(7) Making safe any actual or potential hazard to life or property. 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(NTSB B.9)  .615(a)(8) Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials  .615(a)(9) Instructions for restoring service outages after the emergency has been rendered safe  .615(a)(11) Actions required to be taken by a controller during an emergency in accordance with 192.631.  .615(b)(1) Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action  .615(b)(2) Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training  .615(b)(3) Reviewing activities following emergencies to determine if the procedures were effective  .615(a)(5) Establish and maintain liaison with appropriate public officials, such that both the operator and public	.615(a)(1) Receiving, identifying and classifying notices of events which require immediate response by the operator .615(a)(2) Establish and maintain communication with appropriate public officials regarding possible emergency .615(a)(3) Prompt response to each of the following emergencies:  (i) Gas detected inside a building (ii) Fire located near or directly involving a pipeline (iii) Explosion near or directly involving a pipeline (iv) Natural disaster .615(a)(4) Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency .615(a)(5) Actions directed towards protecting people first, then property615(a)(6) Emergency shutdown or pressure reduction to minimize hazards to life or property .615(a)(7) Making safe any actual or potential hazard to life or property. Response should consider the possibility of leaks in multiple locations caused by excavation damage and underground migration of gas into nearby buildings. (NTSB B.9) .615(a)(8) Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials .615(a)(10) Instructions for restoring service outages after the emergency has been rendered safe .615(a)(11) Actions required to be taken by a controller during an emergency in accordance with 192.631615(b)(1) Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action .615(b)(2) Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training effe



Comments:						
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<del></del>	· · · · · ·	PUDLIC AWADENESS PROCEAM PROCEDURES	,	_	<del></del>	
•		PUBLIC AWARENESS PROGRAM PROCEDURES (Also in accordance with API RP 1162)	S	U	N/A	N/C
i05(a)	.616	Public Awareness Program also in accordance with API RP 1162 (Amdt 192-99 pub. 5/19/05 eff. 06/20/05 and Amdt 192-not numbered pub 12/13/07 eff. 12/13/07).				<del>-1</del> -
. [	.616(d)	The operator's program must specifically include provisions to educate the public, appropriate government organizations, and persons engaged in excavation related activities on:				<del></del>
·		(1) Use of a one-call notification system prior to excavation and other damage prevention activities;			1	Ţ
}		(2) Possible hazards associated with unintended releases from a gas pipeline facility:			<del>                                     </del>	†
		(3) Physical indications of a possible release:	1		<del>                                     </del>	+
		(4) Steps to be taken for public safety in the event of a gas pipeline release; and	1		十	<del> </del>
		(5) Procedures to report such an event (to the operator).	7		1	1 -
	.616(e)	The operator's program must include activities to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations.	شنا	_	-	-
	.616(f)	The operator's program and the media used must be comprehensive enough to reach all areas in which the operator transports gas.	/	_	<del>                                     </del>	1
	.616(g)	The program must be conducted in English and any other languages commonly understood by a significant number of the population in the operator's area?	/	-	1	<del> </del>
	.616(h)	IAW API RP 1162, the operator's program should be reviewed for effectiveness within four years of the date the operator's program was first completed. For operators in existence on June 20, 2005, who must have completed their written programs no later than June 20, 2006, the first evaluation is due no later than June 20, 2010.	v	,		1
	.616(j)	Operators of a master meter or petroleum gas system (unless the operator transports gas as a primary activity) must develop/implement a written procedure to provide its customers public awareness messages twice annually that includes:  (1) A description of the purpose and reliability of the pipeline:  (2) An overview of the hazards of the pipeline and prevention measures used;  (3) Information about damage prevention;  (4) How to recognize and respond to a leak; and  (5) How to get additional information.			-	
	 	(See this subpart for requirements for master meter or petroleum gas system operators not located on property controlled by the operator.)		<u>.</u>		<u> </u>
Comments:		<del></del>		_		
.617		FAILURE INVESTIGATION PROCEDURES	<u> </u>	$\mathbf{s}$	u l	V/A N/
<u> -</u>	617	Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence	+	寸		-
		SOUR EXCHAPATIONS OF CHARACTERS			- 1	- 1

	MAOP PROCEDURES		•	S	U	N/A	N/C
1	.619 Establishing MAOP so that it is commensurate with the class loc	ation			<del> </del>	<del></del>	
T	MAOP cannot exceed the lowest of the following:			<del> </del>	<b></b>	بب	: •. •
$\Gamma$	(a)(1) Design pressure of the weakest element		<del></del>	1	<del>,                                    </del>	<del></del>	
┢	(a)(2) Test pressure divided by applicable factor		<del></del>		<del> </del>	╂╼╌┤	<u> </u>
	(a)(3) The highest actual operating pressure to which the segment years preceding the applicable date in second column, unless the .619(a)(2) after the applicable date in the third column or the seg K.	segment was test ment was uprated	ed according to according to subpart				
Ì	Pipeline segment	Pressure date	Test date	1 1	l	} }	
	- Onshore transmission line that was a gathering line not subject to this part before March 15, 2006.	March 15, 2006, or date line becomes subject to this part, whichever is later.	5 years preceding applicable date in second column.				
	All other pipelines.	July 1, 1970.	July 1. 1965.	} .		1	
-	(a)(4) Maximum safe pressure determined by operator.	<u></u>		<del>     </del>		<del>  </del>	==
Ļ					<del></del>	$\vdash$	
L	(b) Overpressure protective devices must be installed if:619(a)(4)			1	<b> </b>		
	(c) The requirements on pressure restrictions in this section do n operator may operate a segment of pipeline found to be in operating and maintenance history, at the highest actual operating subjected during the 5 years preceding the applicable date in the state (a)(3) of this section. An operator must still comply with § 192.61	satisfactory cond ng pressure to wl econd column of	ition, considering its		"-   		
	MAOP - High Pressure Distribution Systems  Note: D F =0.32, or = 0.40 for PA-11 pipe produced after January 23,  CTS) 4-inch or less, and a SDR of 11 or greater (i.e. thicker 192.121 & .123. (Final Rule Pub. 24 December, 2008)  Max./Min. Allowable Operating Pressure - Low Pressure Distribution	r pipe wali). PA		/			· ·
_	<del></del>		<del></del>			<u> </u>	
ts:					<u>.</u>	, ·	•
					_		
	<del></del>			1	7 = -	T	L -
<u> </u>	PRESSURE TEST PROCEDURES	S	<del></del>	S	U	N/A	N/C
 T	PRESSURE TEST PROCEDURES .503 Pressure testing	5		S	U	N/A	N/
<u> </u>				S	<u>u</u>	N/A	N/C
its:	ODORIZATION of GAS PROCEDUR	RES		S		N/A	
ts:	ODORIZATION of GAS PROCEDUM  OSSIGN Distribution lines must contain odorized gas. – must be readily de of smell at 1 5 of the LEL	RES	n with normal sense				
ts:	ODORIZATION of GAS PROCEDUM	RES	n with noπnal sense				

STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR therwise noted, all code references are to 49CFR Part 192. S-Satisfactory U-Unsatisfactory N/A-Not Applicable N/C-Not Characteristics of the Charact Unless otherwise noted, all code references are to 49CFR Part 192. N/C - Not Checked

Comment	ts:				
	•				. {
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.605(a)	<del>                                     </del>	TAPPING PIPELINES UNDER PRESSURE PROCEDURES	S	TI h	V/AN/C
	.627	Hot taps must be made by a qualified crew			<u>~</u>
· .	<u> </u>	NDT testing is suggested prior to tapping the pipe. Reference API RP 2201 for Best Practices.			
Comment	ts:				
	-			• •	•
	•			.:	
	·			<u> </u>	V = 1 - 1 - 1
605(0)	<del></del>				 ::::::::::::::::::::::::::::::::
.605(a)	.629	PIPELINE PURGING PROCEDURES  Purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline	S	U	VAN/C
	.029	<del>,</del>	-	<del>.</del>	<del></del>
	<b></b>	-(a) Lines containing air must be properly purged.  (b) Lines containing gas must be properly purged			
		(b) Lines containing gas must be properly purged		<u>_</u>	
Comment	ts:			•	•
,	•				
	<del></del>				1
	45	CONTROL ROOM MANAGEMENT PROCEDURES	<del></del>	1	<del></del>
		(Applies to Operator with greater than 250,000 services)	S	ប្រ	N/A N/C
.605(a)	.631(a)	605(b)(12) Each operator must have and follow written control room management procedures.  NOTE: An operator must develop the procedures no later than August 1, 2011 and implement the procedures no later than February 1, 2013.			
	.631(b)	The operator's program must define the roles and responsibilities of a controller during normal, abnormal and emergency conditions including a definition of:			
	1	(1) Controller's authority and responsibility.			
•	<b>.</b>	(2) Controller's role when an abnormal operating condition is detected.	<del>                                     </del>		
		(3)   Controller's role during an emergency	<del> </del>		+
		(4) A method of recording shift change responsibilities between controllers.	<del> </del> -	<del>                                     </del>	<del> - - </del>
	.631(e)	The operator's program must provide its controllers with the information, tools, processes and procedures	<del>                                     </del>		╀╾┸╼┤
	}	necessary to perform each of the following:  (1) Implement sections 1, 4, 8,9,11.2, and 11.3 of API RP 1165 whenever a SCADA System is added,	├	тт	<del></del>
	1.	expanded or replaced.	1	1 1	$I \cap I$
		(2) Conduct point-to-point verification between SCADA displays and related equipment when changes that affect pipeline safety are made.			
	· ·	(3) Test and verify any internal communications plan – at least once a year NTE 15 months.	}	1	
	}	(4) Test any backup SCADA system at least once each year but NTE 15 months.			
	1	(5) Establish and implement procedures for when a different controller assumes responsibility.			
	.631(d)	Each operator must implement and follow methods to reduce the risk associated with controller fatigue,			<b></b>
æ		including:  (I) Establishing shift lengths and schedule rotations that provide time sufficient to achieve eight hours of continuous sleep.			
		(2) Educating controllers and supervisors in fatigue mitigation strategies.			

1-2 Standard Inspection Report of a Gas Distribution Operator (Rev. 05.06 11 through Amdt. 192-116)

	·	CONTROL ROOM MANAGEMENT PROCEDURES (Applies to Operator with greater than 250,000 services)	s	U	N/A	N/C
<b>3</b>		(3) Training of controllers and supervisors to recognize the effects of fatigue.			1	Γ
		(4) Establishing a maximum limit on controller hours-of-service.	-		1	1
	.631(e)	Each operator must have a written alarm management plan including these provisions:			<b></b>	
		(1) Reviewing alarms using a process that ensures that they are accurate and support safe operations.			Π	Ţ
		(2) Identifying at least once a year, points that have been taken off SCADA scan or have had alarms inhibited, generated false alarms, or have had forced or manual values for periods of time exceeding that required for maintenance activities.	 			
	}	(3) Verifying the alarm set-point values and alarm descriptions once each year NTE 15 months.				
	1 .	(4) Reviewing the alarm management plan at least once every calendar year NTE 15 months.		- <del></del> -		<del>                                     </del>
,		(5) Monitoring the content and volume of activity being directed to and required of each controller once each year NTE 15 months.	,	   		
	<b>.</b>	(6) Addressing deficiencies identified through implementation of 1-5 of this section.	;.			
*	.631(1)	Each operator must assure that changes that could affect control room operations are coordinated with the control room personnel by performing the following:				
		(1) Establishing communications between controllers, management and field personnel when implementing physical changes to the pipeline.				<u> </u>
<del></del>	<del>}</del>	(2) Requiring field personnel to contact the control room when emergency conditions exist and when field changes could affect control room operations.	· ·	<del></del>		
		(3) Seeking control room or management participation in planning prior to implementation of significant pipeline changes.		٠		
	.631(g)	Each operator must assure that lessons learned from its experience are incorporated in to its procedures by performing the following:				
		(1) Reviewing reportable incidents to determine if control room actions contributed to the event and correcting any deficiencies.			i	
	}	(2) Including lessons learned from the operator's training program required by this section.			$\prod$	[-
	.631(h)	Each operator must establish a controller training program and review its contents once a year NTE 15 months which includes the following elements:	₹ . 			
• .		(1) Responding to abnormal operating conditions (AOCs).			} }	{
	}	(2) Using a computerized simulator or other method for training controllers to recognize AOCs			П	Π
		(3) Training controllers on their responsibilities for communication under the operator's emergency response procedures.				
		(4) Training that provides a working knowledge of the pipeline system, especially during AOCs.		_		1_
		(5) Providing an opportunity for controllers to review relevant procedures for infrequently used operating setups.				

605(a)		MAINTENANCE PROCEDURES	S	U	N/A	N/C
	.703(b)	Each segment of pipeline that becomes unsafe must be replaced, repaired, or removed from service				
	(c)	Hazardous leaks must be repaired promptly				

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	•				· ·	<u> </u>	<del>`</del>	
605(Ъ)	TR	ANSMISSION LINES -	PATROLLING & LEAKAGE SURV	EY PROCEDURES	S	U	N/A	A N/
• •	.705(a)	Patrolling ROW conditions	<del></del>		-	-	+~	+
	(b)	Maximum interval between			<del> </del>	<u> </u>	╁┼	٠.
	}				-	Ţ <u> </u>	T	$\top$
	· .	Class Location	At Highway and Railroad Crossings	At All Other Places	[	ļ	$\prod$	1
		1 and 2	2/yr (7½ months)	I/yr (15 months)	{	1	} }	1
_	<u> </u>	3	4/yr (4½ months)	2/yr (7½ months)	<b>.</b> .		$\left\{ \cdot \right\}$	1
		\$\ \\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4/yr (4½ months)	4/yr (4½ months)			11	ľ
					. (		<u> </u>	1
	.706	Leakage surveys – 1 year/	15 months					Π
		Leak detector equipment	survey requirements for lines transporting un	-odorized gas			$\prod$	T
•		(a) Class 3 locations - 77	'a months but at least twice each calendar y	ear )				
		-(b)-Class-4-locations = 4	/2 months but at least 4 times each calendar	year		ļ.	$\prod$	T
omment	4					· ·		_
-								
505(b)	Di	STRIBUTION SYSTEM	PATROLLING & LEAKAGE SURV	EY PROCEDURES	s	U	N/A	N/
05(b)	DI:	Frequency of patrolling n	nains must be determined by the severity of t	he conditions which could cause	s	U	N/A	*N/
05(b)	.721(a)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be	nains must be determined by the severity of to insider cast fron, weather conditions, known so uctures where anticipated physical movements of patrolled	he conditions which could cause lip areas, etc.) t or external loading could cause	s	U	N/A	
605(b)	.721(a) .721(b) (b)(1)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) t or external loading could cause st four times each calendar year;	S	U	N/A	AN/
05(b)	.721(a) .721(b) (b)(1) (b)(2)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts	nains must be determined by the severity of to insider cast from, weather conditions, known suctures where anticipated physical movement in patrolled tervals not exceeding 4½ months, but at least at intervals not exceeding 7½ months, but at	the conditions which could cause lip areas, etc.) t or external loading could cause st four times each calendar year; t least twice each calendar year	s   /   /   /	U	N/A	A N/
505(Ь)	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) t or external loading could cause st four times each calendar year; t least twice each calendar year	s   / / / / / / / / / / / / / / / / /	U	N/A	AN/
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b (b)(1)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts  Periodic leak surveys de In business districts as sp	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) it or external loading could cause st four times each calendar year; t least twice each calendar year conditions.	S   /   /   /   /   /   /   /   /   /	U	N/A	A N/
505(b)	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts Periodic leak surveys de In business districts as spo	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	S   /   / / / / / / / /	U	N/A	AN
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b) (b)(1) (b)(2)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts Periodic leak surveys de In business districts as spo	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	s   / / / / / / / / /	U	N/A	AN
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b) (b)(1) (b)(2)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts Periodic leak surveys de In business districts as spo	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	s   / / / / / / / / /	U	N/2	A N
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b) (b)(1) (b)(2)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts Periodic leak surveys de In business districts as spo	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	s   / / / / / / /	U	N/A	AN
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b) (b)(1) (b)(2)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts Periodic leak surveys de In business districts as spo	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	s   / / / / / / / / / / / / / / / / /	U	N/A	AN
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b) (b)(1) (b)(2)	Frequency of patrolling n failure or leakage (i.e., co Mains in places or on str failure or leakage must be In business districts at in and Outside business districts Periodic leak surveys de In business districts as spo	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	S   /   / / / /   /	U	N/A	A N/
	.721(a) .721(b) (b)(1) (b)(2) .723(a) & (b) (b)(1) (b)(2)	Frequency of patrolling nations or leakage (i.e., compains in places or on strailure or leakage must be in business districts at in and outside business districts.)  Periodic leak surveys de in business districts as spour outside of business districts as spour outside of business districts subject to .465(e) where outside of business districts as spour outside outsid	nains must be determined by the severity of th	the conditions which could cause lip areas, etc.) It or external loading could cause st four times each calendar year; I least twice each calendar year conditions.	s   / / / / / / /   s   s		N/A	

STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR nless otherwise noted, all code references are to 49CFR Part 192. S—Satisfactory U—Unsatisfactory N/A—Not Applicable N/C—Not Ch N/C - Not Checked

• •	If an item is marked U,	N/A, or N/C, an expla	nation must be inclu	ded in this r	enort.	- I voi oncentu
<u> </u>	 <u> </u>					
Comments:					7	

605(b)		TRANSMISSION RE	CORD KEE	PING PRO	OCEDURES		*	s	U	N/AN/C
	.709 Records r	nust be maintained	4				•			
	(a) Repa	airs to the pipe - life of sys	tem	<del></del> -	<del>.</del>			T		
	(b) Repa	airs to "other than pipe" – 5	years							
	(c) Ope	ration (Sub L) and Mainten	ance (Sub M) pa	trols, surve	ys. tests – 5 ye	ears or until n	ext one	<del>                                     </del>		

_	<del></del>	TRANSMISSION FIELD REPAIR PROCEDURES	S	U	N/A	N/C
		Imperfections and Damages	·			
[	713(a)	Repairs of imperfections and damages on pipelines operating above 40% SMYS				•
		(1) Cut out a cylindrical piece of pipe and replace with pipe of 3 design strength			$\overline{\Gamma}$	T
, · [		(2) Use of a reliable engineering method			$\prod$	$\prod$
[	713(b)	Reduce operating pressure to a safe level during the repair			$\prod$	
- [		Permanent Field Repair of Welds	,			,
Ī	.715	Welds found to be unacceptable under §192.241(c) must be repaired by:	)			:
ŀ	,	(a) Taking the line out of service and repairing in accordance with §192.245:		•	$T_{I}$	$T^{-}$
Ţ	· ·	Cracks longer than 8% of the weld length (except offshore) must be removed	,	Γ	П	Π
. [		<ul> <li>For each weld that is repaired, the defect must be removed down to clean metal and the pipe preheated if conditions demand it</li> </ul>			$\prod$	
	-	Repairs must be inspected to ensure acceptability		L	<u> </u>	
	· - · · · · · · · · · · · · · · · · · ·	<ul> <li>Crack repairs or defect repairs in previously repaired areas must be done in accordance with qualified written welding procedures</li> </ul>			$\prod$	
Į		(b) If the line remains in service, the weld may be repaired in accordance with §192.245 if:			<u>]]                                   </u>	
ſ	7.	(1) The weld is not leaking			$\prod_{\cdot}$	
Ì		(2) The pressure is reduced to produce a stress that is 20% of SMYS or less	<u> </u>		$\prod_{i}$	
		(3) Grinding is limited so that 1/2 inch of pipe weld remains			$\prod$	
		(c) If the weld cannot be repaired in accordance with (a) or (b) above, a full encirclement welded split sleeve must be installed				
Į		Permanent Field Repairs of Leaks				
Į	.717	. Field repairs of leaks must be made as follows:	<u></u>			
[		(a) Replace by cutting out a cylinder and replace with pipe similar or of greater design		L	لل	
		(b)(1) Install a full encirclement welded split sleeve of an appropriate design unless the pipe is joined by mechanical couplings and operates at less than 40% SMYS				
[		(b)(2) A leak due to a corrosion pit may be repaired by installing a bolt on leak clamp			$\coprod$	$\perp$
		(b)(3) For a corrosion pit leak, if a pipe is not more than 40,000 psi SMYS, the pits may be repaired by fillet welding a steel plate. The plate must have rounded corners and the same thickness or greater than the pipe, and not more than ½D of the pipe size				

_	ļ	TRANSMISSION FIELD REPAIR PROCEDURES	s	11	N/	AN/
	<del> </del>	(b)(4) Submerged offshore pipe or pipe in inland navigable waterways may be repaired with a	<del>  -</del>	<del>ا</del> ت	+	1
D.	 	mechanically applied full encirclement split sleeve of appropriate design	<u> </u>		Ш	_
•	 	(b)(5) Apply reliable engineering method			$\prod$	T
•	 	Testing of Repairs				
	.719(a)	Replacement pipe must be pressure tested to meet the requirements of a new pipeline	1		•	
· ·	(b)	For lines of 6-inch diameter or larger and that operate at 20% of more of SMYS, the repair must be nondestructively tested in accordance with §192.241©				T
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	i kon ka					:
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.605(b)	·	TEST REQUIREMENTS FOR REINSTATING SERVICE LINES	s	U	N/	AN/
	.725(a)	Except for .725(b). disconnected service lines must be tested the same as a new service line.	1		1	+
, .	(b)	Service lines that are temporarily disconnected must be tested from the point of disconnection, the same as a new service line, before reconnect. See code for exception to this.	1			
			<del>-</del>	<u> </u>		<u></u>
Comments	ş <del>.</del>	<del>可是一种,我们就是一种的人的,我们就是一个人的人的人的人的人的人的人的人的人的人的人的人的人的人的人的人的人的人的人的</del>	• •	•		
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				_		
605(b)	ί .					
· ·		ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES	S	U	N/A	AN/
	.727(b)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of	S	U	N/A	AN/
	.727(b)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled	s	U	N/A	AN/
	,,	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed	S	U	N/A	AN/
	.727(b) (c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled	S	U	N/A	AN/
	,,	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be	S   /	U	N/A	AN/
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than	S	U	N/A	AN/
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator	1	U	N/A	AN/
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material. with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator  (2) A mechanical device or fitting that will prevent the flow of gas must be installed in the service	S /	U	N/A	AN/
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator	1	U	N/A	A N/
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator  (2) A mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly  (3) The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed	1	U	N/	AN
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator  (2) A mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly  (3) The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed  If air is used for purging, the operator shall ensure that a combustible mixture is not present after	1	U	N/A	AN
	(c)	Operator must disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. Offshore abandoned pipelines must be filled with water or an inert material, with the ends sealed  Except for service lines, each inactive pipeline that is not being maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end.  Whenever service to a customer is discontinued, do the procedures indicate one of the following:  (1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator  (2) A mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly  (3) The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed	11111	U	N/	AN

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(b)	PRESSURE LIMITING and REGULATING STATION PROCEDURES	S	U.	N/A	N/C	
	(2) Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed	/	, ,		·	
٠. [	(3) Set to control or relieve at correct pressures consistent with .201(a), except for .739(b).					
	(4) Properly installed and protected from dirt, liquids, and other conditions that may prevent proper oper.	1				
.	.739(b) For steel lines if MAOP is determined per .619(c) and the MAOP is 60 psi (414 kPa) gage or more	$\Box$				
٠	If MAOP produces hoop stress that	7				
. (	Is greater than 72 percent of SMYS MAOP plus 4 percent					
,	Is unknown as a percent of SMYS  A pressure that will prevent unsafe operation of the pipeline considering its operating and maintenance history and MAOP				 	
Ì	.741 Telemetering or Recording Gauges	†—'		<b>'</b>		
1	(a) In place to indicate gas pressure in the district that is supplied by more than one regulating station	17		Γ_	. , .	
- }	(b) Determine the need in a distribution system supplied by only one district station	17	<del> </del> -		<u> </u>	
	(c) Inspect equipment and take corrective measures when indications of abnormally high or low pressure	1				
[	.743 Testing of Relief Devices	<u> </u>		i	١.	
	.743 (a) Capacity must be consistent with .201(a) except for .739(b), and be determined 1 per yr/15 mo.		<u> </u>		7	
	(b) If calculated, capacities must be compared: annual review and documentation are	17	F		==	
	required.	1	<b></b>		_	
_1	(c) If insufficient capacity, new or additional devices must be installed to provide required capacity.			<u> </u>		
)	VALVE AND VAULT MAINTENANCE PROCEDURES	s	U	N/A	N/(	
	Transmission Valves	_	<b>,</b>			
	.745 (a) Inspect and partially operate each transmission valve that might be required during an emergency (1 per yr/15 months)	1		1		
	.745 (b) Prompt remedial action required, or designate alternative valve.	Τ				
	Distribution Valves	7:-				
	.747 (a) Check and service each valve that may be necessary for the safe operation of a distribution system (1 per yr/15 months)	1				
	. (b) Prompt remedial action required, or designate alternative valve.		<u>L</u> .	<u> </u>		
			_		_	
)	VAULT INSPECTION PROCEDURES	S	U	N/A	N/	
	Inspection of vaults greater than 200 cubic feet and housing pressure regulating or limiting devices (1 per yr NTE 15 months).					
nem	is:					
			_			

Reduce the hazard of fire or explosion by:

.751

.605(b)	PREVENTION of ACCIDENTAL IGNITION PROCEDURES				
<b>20</b>	(b) Prevent welding or cutting on a pipeline containing a combustible mixture	<b> </b>	<del></del>	<del>                                     </del>	N/C
	(c) Post warning signs	7		<del>                                     </del>	╁┷┧
Comment	S:	• .	:		
	<del></del>				لب
605(b)	CAULKED BELL AND SPIGOT JOINTS PROCEDURES	S	U	N/A	N/C
	.753 Cast-iron caulked bell and spigot joint repair:			3	N .
6.	(a) When subject to more than 25 psig. sealed with mechanical clamp, or sealed with material/device which does not reduce flexibility, permanently bonds, and seals and bonds as prescribed in §192.753(a)(2)(iii)			1	
. (1) _(1)(5)_	(b) When subject to 25 psig or less, joints, when exposed for any reason, must be sealed by means other than caulking				
C05(L)			<u>.</u>	<del>,                                    </del>	<del></del>
605(b)	PROTECTING CAST-IRON PIPELINE PROCEDURES	S	U	N/A	N/C
AND SIGNATED AND AND AND AND AND AND AND AND AND AN	755. Operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection.				# 1 A.
	(a) Vibration's from heavy construction equipment, trains, trucks, buses or blasting?	<u> </u>		11	
	(b) Impact forces by vehicles?		<u> </u>	Ш	
	(c) Earth movement?		<u> </u>	Ц	
	(d) Other foreseeable outside forces which might subject the segment of pipeline to a bending stress	↓		$\coprod$	$oxed{oxed}$
	(e) Provide permanent protection for the disturbed section as soon as feasible	<u> </u>		11	لبا
3(c)	WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES	S	ŢŢ	N/A	N/d
-32	.225 (a) Welding procedures must be qualified under Section 5 of API 1104 or Section IX of ASME Boller and Pressure Code by destructive test.	1	Ì		
	(b) Retention of welding procedure – details and test	17	$\sqcap$		
	.227 (a) Welders must be qualified by Section 6 of API 1104 (19th Ed., 1999, including errata October31, 2001; and 20th edition 2007, including errata 2008) or Section IX of ASME Boiler and Pressure Code (2004 ed. Including addenda through July 1, 2005) See exception in .227(b).	/			
ŧ	(b) Welders may be qualified under section I of Appendix C to weld on lines that operate at < 20% SMYS.	-		T .	
-	.229 (a) To weld on compressor station piping and components, a welder must successfully complete a destructive test		$\prod$		
	(b) Welder must have used welding process within the preceding 6 months	/	Ц	,	
	(c) A welder qualified under .227(a)-	<u> </u>			
	.229(c) (1) May not weld on pipe that operates at \( \geq \) 20% SMYS unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under the sections 6 or 9 of API Standard 1104; may maintain an ongoing qualification status by performing welds tested and found acceptable at least twice per year. not exceeding 7½ months; may not requalify under an earlier referenced edition.	/			
	(2) May not weld on pipe that operates at < 20% SMYS unless is tested in accordance with .229(c)(1) or requalifies under .229(d)(1) or (d)(2).	1			
	(d) Welders qualified under .227(b) may not weld unless:	$\prod$	$\int$		
	(1) Requalified within 1 year/15 months, or		$\prod$		
	(2) Within 7½ months but at least twice per year had a production weld pass a qualifying test	1	$\coprod$		
9	.231 Welding operation must be protected from weather	17	15	1	

STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR
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.13(c)	WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES	s	Ú	N/A	N/C
	.233 Miter joints (consider pipe alignment)		1	1	2
	.235 Welding preparation and joint alignment	7	$\top$	1	
	.241 (a) Visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure:	1	T		
	(1) Compliance with the welding procedure		1	<del>                                     </del>	
· .	(2) Weld is acceptable in accordance with Section 9 of API 1104	7	7	1	
•	(b) Welds on pipelines to be operated at 20% or more of SMYS must be nondestructively tested in accordance with 192.243 except welds that are visually inspected and approved by a qualified welding inspector if:	/			
	(1) The nominal pipe diameter is less than 6 inches, or		T	1	
•	(2) The pipeline is to operate at a pressure that produces a hoop stress of less than 40% of SMYS and the welds are so limited in number that nondestructive testing is impractical	1	T		
	(c) Acceptability based on visual inspection or NDT is determined according to Section 9 of API 1104. If a girth weld is unacceptable under Section 9 for a reason other than a crack, and if Appendix A to API 1104 applies to the weld, the acceptability of the weld may be further determined under that appendix.		-		A
	Repair and Removal of Weld Defects		T	•	_
	.245 (a) Each weld that is unacceptable must be removed or repaired. Except for offshore pipelines, a weld must be removed if it has a crack that is more than 8% of the weld length	7			
	(b) Each weld that is repaired must have the defect removed down to sound metal, and the segment to be repaired must be preheated it conditions exist which would adversely affect the quality of the weld repair. After repair, the weld must be inspected and found acceptable.	\			
	(c) Repair of a crack or any other defect in a previously repaired area must be in accordance with a written weld repair procedure, qualified under §192.225	1		<del> </del>	
, <u>, , , , , , , , , , , , , , , , , , </u>	Note: Siceve Repairs – use low hydrogen rod (Best Practices -ref. API 1104 App. B, In Service Welding)			, ,	£

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.13(c)	NONDESTRUCTIVE TESTING PROCEDURES	s	U	N/A	N/C
	.243 (a) Nondestructive testing of welds must be performed by any process, other than trepanning, that clearly indicates defects that may affect the integrity of the weld	1			
	(b) Nondestructive testing of welds must be performed:			•	
	(1) In accordance with a written procedure, and	77	Γ_	$\lceil \rceil$	
	(2) By persons trained and qualified in the established procedures and with the test equipment used	1			
	(c) Procedures established for proper interpretation of each nondestructive test of a weld to ensure acceptability of the weld under 192.241©	1			١,
	(d) When nondestructive testing is required under §192.241(b), the following percentage of each day's field butt welds, selected at random by the operator, must be nondestructively tested over the entire circumference				
	(1) In Class 1 locations at least 10%	1		} }	1
	(2) In Class 2 locations at least 15%	77			
	(3) In Class 3 and 4 locations, at crossings of a major navigable river. offshore, and within railroad or public highway rights-of-way, including tunnels, bridges, and overhead road crossings, 100% unless impractical, then 90%. Nondestructive testing must be impractical for each girth weld not tested.	1			
	(4) At pipeline tie-ins, 100%	7			

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.13(e)	NONDESTRUCTIVE TESTING PROCEDURES S	s	U	N/A N/C
	(e) Except for a welder whose work is isolated from the principal welding activity, a sample of each welder's work for each day must be nondestructively tested, when nondestructive testing is required under §192.241(b)	$ \sqrt{} $		
B	(f) Nondestructive testing – the operator must retain, for the life of the pipeline, a record showing by mile post, engineering station, or by geographic feature, the number of welds nondestructively tested, the number of welds rejected, and the disposition of the rejected welds.	7		
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1 1	<u> </u>	reduned mider \$1221471(D).	لمستسا			
	<b>(f)</b>	Nondestructive testing – the operator must retain, for the life of the pipeline, a record showing by mile post, engineering station, or by geographic feature, the number of welds nondestructively tested, the number of welds rejected, and the disposition of the rejected welds.				• •
20		The state of the state of the state of the disposition of the rejected Wells.	لب	<del></del> -		
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455					-;-	
.273(b)		JOINING of PIPELINE MATERIALS	S	U	N/A	N/C
	.281 (a)	A plastic pipe joint that is joined by solvent cement, adhesive, or heat fusion may not be disturbed until it has properly set. Plastic pipe may not be joined by a threaded joint or miter				
	<b></b>	joint, 2 3 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		\		
	(b)		<u> </u>		<u> </u>	$\eta$
		(1) The mating surfaces of the joint must be clean, dry, and free of material which might be detrimental to the joint.			<u></u>	
· · · · · · · · · · · · · · · · · · ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(2) The solvent cement must conform to ASTM Designation: D 2513.			-	
		(3) The joint may not be heated to accelerate the setting of the cement.	7			
- *	(c)	Each heat-fusion joint on plastic pipe must comply with the following:		4:		]
	1	(1) A butt heat-fusion joint must be joined by a device that holds the heater element square to the ends of the piping, compresses the heated ends together, and holds the pipe in proper alignment while the plastic hardens.	1			
		(2) A socket heat-fusion joint must be joined by a device that heats the mating surfaces of the joint uniformly and simultaneously to essentially the same temperature.	/	•		
,		(3) An electrofusion joint must be joined utilizing the equipment and techniques of the fittings manufacturer or equipment and techniques shown, by testing joints to the requirements of §192.283(a)(1)(iii), to be at least equivalent to those of the fittings manufacturer.				
-		(4) Heat may not be applied with a torch or other open flame.	7	-		
	(d)	Each adhesive joint on plastic pipe must comply with the following:			 	
		(1) The adhesive must conform to ASTM Designation: D 2517.	1	<u> </u>	)	, ,
	1 2 2 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(2) The materials and adhesive must be compatible with each other.	7			
-	(e)			<del></del> -		_
		(1) The gasket material in the coupling must be compatible with the plastic.			<u> </u>	
		(2) A rigid internal tubular stiffener, other than a split tubular stiffener, must be used in conjunction with the coupling.				
	.283 (a)	Before any written procedure established under §192.273(b) is used for making plastic pipe joints by a heat fusion, solvent cement, or adhesive method, the procedure must be qualified by subjecting specimen joints made according to the procedure to the following tests:		·		
		(1) The burst test requirements of-				
		(i) Thermoplastic pipe: paragraph 6.6 (sustained pressure test) or paragraph 6.7 (Minimum Hydrostatic Burst Test) or paragraph 8.9 (Sustained Static pressure Test) of ASTM D2513	1			
		(ii) Thermosetting plastic pine: paragraph 8.5 (Minimum Hydrostatic Burst Pressure) or	17/			



paragraph 8.9 (Sustained Static Pressure Test) of ASTM D2517: or

(iii) Electrofusion fittings for polyethylene pipe and tubing: paragraph 9.1 (Minimum Hydraulic Burst Pressure Test), paragraph 9.2 (Sustained Pressure Test), paragraph 9.3 (Tensile Strength Test), or paragraph 9.4 (Joint Integrity Tests) of ASTM Designation F1055.

.273(b)		JOINING of PIPELINE MATERIALS	S	U	N/A	N/C
		(2) For procedures intended for lateral pipe connections, subject a specimen joint made from pipe sections joined at right angles according to the procedure to a force on the lateral pipe until failure occurs in the specimen. If failure initiates outside the joint area, the procedure qualifies for use; and.				
		(3) For procedures intended for non-lateral pipe connections, follow the tensile test requirements of ASTM D638, except that the test may be conducted at ambient temperature and humidity If the specimen elongates no less than 25 percent or failure initiates outside the joint area, the procedure qualifies for use.	1			
• •	(b)	Before any written procedure established under §192.273(b) is used for making mechanical plastic pipe joints that are designed to withstand tensile forces, the procedure must be qualified by subjecting five specimen joints made according to the procedure to the following tensile test:			- - -	
		(1) Use an apparatus for the test as specified in ASTM D 638 (except for conditioning).	/			
		(2) The specimen must be of such length that the distance between the grips of the apparatus and the end of the stiffener does not affect the joint strength.	/			
I		(3) The speed of testing is 0.20 in. (5.0 mm) per minute, plus or minus 25 percent.	1		<u>.</u>	
		(4) Pipe specimens less than 4 inches (102 mm) in diameter are qualified if the pipe yields to an elongation of no less than 25 percent or failure initiates outside the joint area.	1			
		(5) Pipe specimens 4 inches (102 mm) and larger in diameter shall be pulled until the pipe is subjected to a tensile stress equal to or greater than the maximum thermal stress that would be produced by a temperature change of 100° F (38° C) or until the pipe is pulled from the fitting. If the pipe pulls from the fitting, the lowest value of the five test results or the	/	<u> </u>		
		manufacturer's rating, whichever is lower must be used in the design calculations for stress.		<u> </u>		<u> </u>
٠.		(6) Each specimen that fails at the grips must be retested using new pipe.	/			
		(7) Results pertain only to the specific outside diameter, and material of the pipe tested, except that testing of a heavier wall pipe may be used to qualify pipe of the same material but with a lesser wall thickness.	· /    -	*		
	(c)	A copy of each written procedure being used for joining plastic pipe must be available to the persons making and inspecting joints.	1			-
	(d)	Pipe or fittings manufactured before July 1, 1980, may be used in accordance with procedures that the manufacturer certifies will produce a joint as strong as the pipe.			,	
	.285 (a)	No person may make a plastic pipe joint unless that person has been qualified under the applicable joining procedure by:		<u>.</u>		
,		(1) Appropriate training or experience in the use of the procedure; and				
1 4		(2) Making a specimen joint from pipe sections joined according to the procedure that passes the inspection and test set forth in paragraph (b) of this section.	1		<u> </u>	
	(b)	The specimen joint must be:	1			
i		(1) Visually examined during and after assembly or joining and found to have the same appearance as a joint or photographs of a joint that is acceptable under the procedure; and	/	·		_
	· · · · ·	<ul><li>(2) In the case of a heat fusion, solvent cement, or adhesive joint:</li><li>(i) Tested under any one of the test methods listed under §192.283(a) applicable to the type of</li></ul>	/		-	
		joint and material being tested:	-	-	<del> </del>	
'		(ii) Examined by ultrasonic inspection and found not to contain flaws that may cause failure: or	<del>                                     </del>		ــــــــــــــــــــــــــــــــــــــ	<u> </u>
j	<del></del>	(A) Visually examined and found not to contain voids or discontinuities on the cut surfaces of the joint area; and	/			
		(B) Deformed by bending, torque, or impact, and if failure occurs, it must not initiate in the joint area.	1			
·	(c)	A person must be requalified under an applicable procedure, if during any 12-month period that person:				
	<del></del>	(1) Does not make any joints under that procedure; or				
		(2) Has 3 joints or 3 percent of the joints made, whichever is greater, under that procedure that are found unacceptable by testing under §192.513.	1			
	(d)	Each operator shall establish a method to determine that each person making joints in plastic pipelines in the operator's system is qualified in accordance with this section.	1			



STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR Unless otherwise noted, all code references are to 49CFR Part 192. S—Satisfactory U—Unsatisfactory N/A—Not Applicable N/C—Not Ch N/C - Not Checked If an item is marked U, N/A, or N/C, an explanation must be included in this report.

.273(b)		JOINING of PIPELINE MATERIALS	s	U.	N/A	N/C
	.287	No person may carry out the inspection of joints in plastic pipes required by §§192.273(c) and 192.285(b) unless that person has been qualified by appropriate training or experience in evaluating the acceptability of plastic pipe joints made under the applicable joining procedure.	/	,		

Comments:

.605(b)	CORROSION CONTROL PROCEDURES	S	U,	N/A	N/C
, .	.453 Are corrosion procedures established and carried out by or under the direction of a qualified person for:	T		.,	<del></del> -
	Design to the Company of the Compan				
	• Operations	7			
	<ul> <li>Installation</li> </ul>				$\overline{}$
	Maintenance	ノ			
	(a) For pipelines installed after July 31, 1971, buried segments must be externally coated and		<del></del>		F
	(b) cathodically protected within one year after construction (see exceptions in code)	<b> _</b>			<b> </b>
. ₹	(c) Aluminum may not be installed in a buried or submerged pipeline if exposed to an environment with a natural pH in excess of 8 (see exceptions in code)	1/	,		,
•	.457 (a) All effectively coated steel transmission pipelines installed prior to August 1, 1971, must be cathodically protected	1			
NSS)	(b) If installed before August 1, 1971, cathodic protection must be provided in areas of active corrosion for: bare or ineffectively coated transmission lines, and bare or coated c/s, regulator sta., meter sta. piping, and (except for cast iron or ductile iron) bare or coated distribution lines.	/		-	,
	.459 Examination of buried pipeline when exposed: if corrosion is found, further investigation is required (Note: To include graphitization on cast iron or ductile iron pipe. NTSB B.7)	1			
* · ·	.461 Procedures must address the protective coating requirements of the regulations. External coating on the steel pipe must meet the requirements of this part.	/			- 3
1	.463 Cathodic protection level according to Appendix D criteria		<u> </u>		<u> </u>
	.465 (a) Pipe-to-soil monitoring (1 per yr/15 months) or short sections (10% per year, all in 10 years)				
-	(b) Rectifier monitoring (6 per yr/2½ months)	1		}	
*3	(c) Interference bond monitoring (as required)	ノ			-
	(d) Prompt remedial action to correct any deficiencies indicated by the monitoring	1			
	.465 (e) Electrical surveys (closely spaced pipe to soil) on bare/unprotected lines, cathodically protect active corrosion areas (1 per 3 years/39 months)	7			
	.467 Electrical isolation (include casings)			Ĺ	<u>L</u> .
	.469 Sufficient test stations to determine CP adequacy	1			
	.471 Test lead maintenance	1			
	473 Interference currents	1			
	.475 (a) Proper procedures for transporting corrosive gas?	1			
	(b) Removed pipe must be inspected for internal corrosion. If found, the adjacent pipe must be inspected to determine extent. Certain pipe must be replaced. Steps must be taken to minimize internal corrosion.	/			
	.476 Systems designed to reduce internal corrosion Amdt 192-(no number) Pub. 4/23/07, eff. 5/23/07  (a) New construction	/			
	(b) Exceptions – offshore pipeline and systems replaced before 5/23/07	1			
	(c) Evaluate impact of configuration changes to existing systems	1			
	Internal corrosion control coupon (or other suit. Means) monitoring (2 per yr/7 1/2 months)	1		-	
	(a) Each exposed pipe must be cleaned and coated (see exceptions under .479(c))	1			

.605(b)		. :	CORROSION CONTROL PROCEDURES	S	U	N/A	N/C
			Offshore splash zones and soil-to-air interfaces must be coated				
		(b)	Coating material must be suitable				
		٠.	Coating is not required where operator has proven that corrosion will:			-	
i		(c)	(1) Only be a light surface oxide, or				
			(2) Not affect safe operation before next scheduled inspection	7			
	.481	(a)	Atmospheric corrosion control monitoring (1 per 3 yrs/39 months onshore; 1 per yr/15 months offshore)				
	.481	(b)	Special attention required at soil/air interfaces, thermal insulation, under disbonded coating, pipe supports, splash zones, deck penetrations, spans over water				
	.481	(c)	Protection must be provided if atmospheric corrosion is found (per §192,479)			[	
	.483	Rep	placement and required pipe must be coated and cathodically protected (see code for exceptions)				
•	.485	(a)	Procedures to replace pipe or reduce the MAOP if general corrosion has reduced the wall thickness?	1			
		(b)	Procedures to replace/repair pipe or reduce MAOP if localized corrosion has reduced wall thickness (unless reliable engineering repair method exists)?	/			î
:	· · · · · · · · · · · · · · · · · · ·	(c)	Procedures to use Rstreng or B-31G to determine remaining wall strength?			<u> </u>	
-	.487	Rer	nedial measures (distribution lines other than cast iron or ductile iron)	1		<u> </u>	
	.489	(a)	Each segment of cast iron or ductile iron pipe on which general graphitization is found to a degree where a fracture or any leakage might result, must be replaced.	/			
		<del>(ϸ).</del>	-Each segment of cast iron or ductile iron pipe where localized graphitization is found it must be assessed and remediated according to this subpart.	v	L		
	.491	Cor	rosion control maps and record retention (pipeline service life or 5 yrs)	/	<u> </u>	<u>                                      </u>	]
Comments	:				3 S		
000				<del></del>	<del></del> -	<del></del> -	
.801- .809	. '	:	Subpart N — Qualification of Pipeline Personnel Procedures	S	U	N/A	'N/C
1007			Refer to Operator Qualification Inspection Forms and Protocols (OPS web site)	1			
				<del></del>			<del></del>
.901-		,	Subpart O — Pipeline Integrity Management	S	U	N/A	N/C
.951			This form does not cover Gas Pipeline Integrity Management Programs	$\top$			
	<del></del>			<del></del>			
Subparts	PA	RT 1	99 - DRUG and ALCOHOL TESTING REGULATIONS and PROCEDURES	S	U	N//	AN/C
A-C	Dri	ug & .	Alcohol Testing & Alcohol Misuse Prevention Program - Use PHMSA Form # 13, PHMSA	<del>                                     </del>		ــــــــــــــــــــــــــــــــــــــ	<b></b>
Eomments D a-d	rug test they he	ادم عده	is Personed Quarterly - At leasterne is Tested at To Co of trained process	hat	c-17.		



	PIPELINE INSPECTION (Field)	S	U	N/A N/C
776	Valve Protection from Tampering or Damage 5 valves	1		A
.463	Cathodic Protection	V		
465	Rectifiers			
.476	Systems designed to reduce internal corrosion	•	•	
.479	Pipeline Components Exposed to the Atmosphere	7		
.605	Knowledge of Operating Personnel	1	_	
.707	ROW Markers, Road and Railroad Crossings			<del>-   -</del>
.719	Pre-pressure Tested Pipe (Markings and Inventory)		. :	
.741	Telemetering. Recording gauges	45		1
.739/.743	Pressure Limiting and Regulating Devices (spot-check field installed equipment vs. inspection records) 3 status			
.745	Valve Maintenance	4		
.751	Warning Signs	1	_	
.801809	Operator Qualification - Use PHMSA Form 15 Operator Qualification Field Inspection Protocol Form			
1 1 1 1 1 1 1	करिया हुने हैं के पार पर के प्रवेद के पार पार्टि के किया है। है कि का किया कि पार्टि के पार्टिक कर कि कार्य के			

Comments: Hollis Murphy Colomb.	GIF ST.W. ( Ve) T. Station	, Price Limber
Apeto So, ( readings that These		

191.5	REGULATORY REPORTING PERFORMANCE AND RECORDS	S	U	N/AN/C
191.5	Telephonic reports to NRC	10	7	T - T -
191,15	Written incident reports: supplemental incident reports (Form F 7100.2)	V	1	
191	Annual Reports (Forms 7100.1-1, 7100.2-1)		1	
191.23	Safety related condition reports		1	
192.16	Customer Notification (Verification – 90 days – and Elements)	7	$\top$	1-1-
192.727(g)	Abandoned facilities offshore, onshore crossing commercially navigable waterways reports	7	1	

	CONSTRUCTION PERFORMANCE AND RECORDS	S	Ü	N/A	N/C
.225	Test Results to Qualify Welding Procedures				
.227	Welder Qualification			,	
.241 (a)	Visual Weld Inspector Training/Experience				
.243 (b)(2)	Nondestructive Technician Qualification				
(c)	NDT procedures				
(1)	Total Number of Girth Welds				
(f)	Number of Welds Inspected by NDT				
(f)	Number of Welds Rejected				
(f)	Disposition of each Weld Rejected	]			
273/.283	Qualified Joining Procedures Including Test Results	] _			
285	Personnel Joining Qualifications				
287	Joining Inspection Qualifications				
	Construction Specifications				L
325	Underground Clearance				

;	CONSTRUCTION PERFORMANCE AND RECORDS		S	U	N/A	N/d	
	Amount, Location, Cover of each Size of Pipe Installed		7	7.		一	
363(e)	EFV customer notification	7	7			$\dashv$	
455	Cathodic Protection		7			$\dashv$	
7 7 .			<u>- " ;                                  </u>			لــــ	
2	OPERATIONS and MAINTENANCE PERFORMANCE AND RECORDS	14	s	U	N/A	n/d	
.517 (a)	Pressure Testing (operates at or above 100 psig) – useful life of pipeline						
.517 (b)	Pressure Testing (operates below 100 psig, service lines, plastic lines) – 5 years		レ			$\dashv$	
.603(b)	.605(a) Procedural Manual Review – Operations and Maintenance (1 per yr/15 months)		V	$\neg$	$\neg$	$\neg \uparrow$	
.	605(b)(3) Availability of construction records, maps, operating history to operating personnel	<del></del>	J			. "	
	.605(b)(8) Periodic review of personnel work – effectiveness of normal O&M procedures		7		$\neg \uparrow$	$\neg$	
	605(c)(4) Periodic review of personnel work – effectiveness of abnormal operation procedures		1				
.709	614 Damage Prevention (Miscellaneous)	<del>,                                    </del>	1		$\neg \dashv$		
	.609 Class Location Study (If Applicable)	- <del></del>					
.603(b)			J	-	<del></del>		
,005(0)		7 7 7 7 7 7	-,			$\vdash$	
-	.615(b)(2) Emergency Procedure training, verify effectiveness of training		<del>-</del> ⁄				
	.615(b)(3) Employee Emergency activity review, determine if procedures were followed.		.,,		<b> </b>	$\vdash$	
<del></del>	-615(c) Liaison Program with Public Officials						
. ,	.616 Public Awareness Program						
	.616(e & f) Documentation properly and adequately reflects implementation of operator's Public Awar			-			
	Program requirements - Stakeholder Audience identification, message type and content, delivery method and frequency, supplemental enhancements, program evaluations, etc. (i.e. contact or						
	mailing rosters, postage receipts, return receipts, audience contact documentation, etc. for						
	emergency responder, public officials, school superintendents, program evaluations, etc. ). See table						
	below:			'	لــــا	Щ	
	API RP 1162 Baseline* Recommended Message Deliveries		1				
	Stakeholder Audience (Natural Gas Baseline Message Frequency Transmission Line Operators) (starting effective date of Plan)	\ \	1		•	1	
	Residents Along Right-of-Way and Places of 2 years		I				
	Congregation		ļ				
	Emergency Officials Annual		l			Į	
	Public Officials 3 years						
	Excavator and Contractors Annual					ļ	
	One-Call Centers  As required of One-Call Center	;				,	
	Stakeholder Audience (Gathering Line Baseline Message Frequency Operators) (starting from effective date of Plan)	. '   '	ì			}	
•	Residents and Places of Congregation Annual		ĺ				
	Emergency Officials Annual		ľ				
	Public Officials 3 years					- (	
	Excavators and Contractors Annual						
	One-Call Centers As required of One-Call Center		ļ				
	Stakeholder Audience (LDCs)  Baseline Message Frequency (starting from effective date of Plan)		l				
	Residents Along Local Distribution System Annual		1		•		
	LDC Customers Twice annually		ļ				
	Emergency Officials Annual		1				
	Public Officials 3 years		l				
	Excavator and Contractors Annual One-Call Centers As required of One-Call Center		ł				
•	One-Call Centers As required of One-Call Center  * Refer to API RP 1162 for additional requirements, including general program recommendations,		ļ				
	supplemental requirements, recordkeeping, program evaluation, etc.						
	.616(g) The program must be conducted in English and any other languages commonly understood	by a		}			
	significant number of the population in the operator's area.		<u> </u>	<b>├</b>	₩		
<b>10</b>	.616(h) Effectiveness Review of operator's program.	_	\ _	1_	<u>L</u> .	<u> </u>	

			-			5
	OPER	RATIONS and MAINTENANCE PERFORMANCE AND RECORDS	Ś	U	N/A	N/C
•	.616(j)	Operators of a master meter or petroleum gas systems - public awareness messages 2 times annually:  (1) A description of the purpose and reliability of the pipeline:  (2) An overview of the hazards of the pipeline and prevention measures used;  (3) Information about damage prevention;  (4) How to recognize and respond to a leak; and			V	/
		(5) How to get additional information.				<u>_</u> _
	.617	Failure Investigation Reports (Note: Also include reported third party damage and leak response records. NTSB B.10)				
.517	<del> </del>	Pressure Testing		-	-	
709	.619 .621 .62	3 Maximum Allowable Operating Pressure (MAOP)				<del>  -</del>
		A-11 design criteria is incorporated into 192.121 & .123. (Final Rule Pub. 24 December, 2008)	1.			<u> </u>
,	.625	Odorization of Gas	1		<b> </b>	ļ
	.705	Patrolling (Refer to Table Below)	لتا	-	بنا	<u> </u>
•	N. A.			٠.		
,		Class Location At Highway and Railroad Crossings At All Other Places	·		<i>)</i>	• :
		1 and 2 2/yr (7½ months) 1/yr (15 months)			٠,	14 1 4. 1
	-	3 4/yr (4½ months) 2/yr (7½ months) 4 4/yr (4½ months) 4/yr (4½ months)		-		
· 6		471 (7/2 monato) 4/31 (4/2 monato)	<u>.</u>			
.709	.706	Leak Surveys (Refer to Table Below)	- V.	<del></del>		
			1	1		٠,٠
	•	Class Location Required Not Exceed  1 and 2 1/yr 15 months		٠		,
• •		1 and 2 1/yr 15 months 3 2/yr* 7½ months		•		,
		4 4/yr* 4½ months		٠,		
	* Leak	detector equipment survey required for lines transporting un-odorized gas.	<u>[</u>			
3					·	
.603(b)	.721(b)(1)	Patrolling Business District (4 per yr/4½ months)	2			. ,
	.721(b)(2)	Patrolling Outside Business District (2 per yr/7½ months)	V		<u> </u>	<b> </b>
- ,	.723(b)(1)	Leakage Survey – business District (1 per yr/15 months)	//		Ĺ	
•	.723(b)(2)	Leakage Survey	-/	· .	, T 4	· ·
		Outside Business District (5 years)	12			<b> </b>
		Cathodically unprotected distribution lines (3 years)	1./		<u> </u>	<u> </u>
<del></del>	.725	Tests for reinstating service lines	\ <u>\</u>		ļ. <u></u>	<u> </u>
603b/.727g	.727	Abandoned Pipelines: Underwater Facility Reports	\ <u>`</u>	_	<u>.                                    </u>	<u> </u>
709	.739	Pressure Limiting and Regulating Stations (1 per yr/15 months)	1/			<b>├</b>
	.743	Pressure Limiting and Regulator Stations - Capacity (1 per yr/15 months)	2/		ļ,	ļ
	.745	Valve Maintenance Transmission Lines (1 per yr/15 months)	<b> </b>	_	<i>''</i>	<b>├</b> —
503(b)	747	Valve Maintenance Distribution Lines (1 per yr/15 months)	1		ļ.,	<u>_</u>
709	.749	Vault Maintenance (3200 cubic feet)(1 per yr/15 months)	<u> </u>	Ļ	1	<u> </u>
i03(b)	.751	Prevention of Accidental Ignition (hot work permits)	/-		<u>ن</u>	<u> </u>
	.755	Caulked Bell and Spigot Joint Repair	<del> </del>		1	├_
	.225(b)	Welding - Procedure	ļ.	<i>''</i>		<del> </del>
	227/220	Welding - Welder Qualification	1	17/	Ø	Ĭ .
	.227/.229	<del>,</del>	╂	~	1	┼─
	.2277.229 .243(b)(2)	NDT – NDT Personnel Qualification	/		Ž	
	<u> </u>	<del>,</del>	1		1	
	.243(b)(2)	NDT – NDT Personnel Qualification	V		1	

	OPERATIONS and MAINTENANCE PERFORMANCE AND RECORDS	•	-		s	U	N/AN/C
	.243(f) NDT Records (Pipeline Life)				1		
	Repair: pipe (Pipeline Life): Other than pipe (5 years)	,					
.807(b)	Refer to PHMSA Form # 15 to document review of operator's employee covered task records	1.	,	11			No. of Section 1

Co	'n	m	en	ts:

L		CORROSION CONTROL PERFORMANCE AND RECORDS	S	U	N/A	N/C
.491	.491(a)	Maps or Records		-		
.491	.459	Examination of Buried Pipe when Exposed				
.491	.465(a)	Annual Pipe-to-soil Monitoring (1 per yr/15 months) for short sections (10% per year; all in 10 years)			,	
.491	.465(b)	Rectifier Monitoring (6 per yr/2½ months)		7		1 (1) 1 (1)
.491	.465(c)	Interference Bond Monitoring - Critical (6-per-y-/2//-months)				
.491	.465(c)	Interference Bond Monitoring - Non-critical (1 per yr/15 months)	I,			
.49İ	.465(d)	Prompt Remedial Actions				
.491	.465(e)	Unprotected Pipeline Surveys, CP active corrosion areas (1 per 3 cal yr/39 months)				
.491	.467	Electrical Isolation (Including Casings)				,
491	.469	Test Stations - Sufficient Number				
	.471	Test Lead Maintenance				
.491	.473	Interference Currents				
.491	.475(a)	Internal Corrosion: Corrosive Gas Investigation				
.491	.475(b)	Internal Corrosion; Internal Surface Inspection. Pipe Replacement				
.491	.476 (d)	Internal Corrosion; New system design; Evaluation of impact of configuration changes to existing systems				
.491	.477	Internal Corrosion Control Coupon Monitoring (2 per yr/71/2 months)	<u> </u> •	<u> </u>		
.491	.481	Atmospheric Corrosion Control Monitoring (1 per 3 cal yr/39 months onshore; 1 per yr/15 months offshore)				
.491	.483/.485	Remedial: Replaced or Repaired Pipe: coated and protected: corrosion evaluation and actions	l			

_			٠			
C	)M	m	e	R	ts	•



# Attachment 1

Distribution Operator Compressor Station Inspection
Unless otherwise noted, all code references are to 49CFR Part 192. S - Satisfactory U - Unsatisfactory N/A - Not Applicable If an item is marked U, N/A, or N/C, an explanation must be included in this report.

N/C - Not Checked

	COMPRESSOR STATION PROCEDURES	S	บ	N/A	N/C
.605(b)(6)	Maintenance procedures, including provisions for isolating units or sections of pipe and for purging before returning to service	,			
.605(b)(7)	Starting, operating, and shutdown procedures for gas compressor units	4.		, ]	
.731	Inspection and testing procedures for remote control shutdowns and pressure relieving devices (1 per yr/15 months), prompt repair or replacement			gar seda	
.735	(a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings				·
- 1g ^{5,7}	(b) Tank must be protected according to NFPA #30				
.736	Compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested). unless:			x*1: "	
V 2	50% of the upright side areas are permanently open, or			·	
	It is an unattended field compressor station of 1000 hp or less				

Comments:

i kidi.		COMPRESSOR STATIONS INSPECTION (Field) (Note: Facilities may be "Grandfathered")	s	ַ	N/A	N/C
163	(c)	Main operating floor must have (at least) two (2) separate and unobstructed exits	1	7	1	
· ; '	,	Door latch must open from inside without a key				
		Doors must swing outward	1	Т		
	(d)	Each fence around a compressor station must have (at least) 2 gates or other facilities for emergency exit	1	T	77	
		Each gate located within 200 ft of any compressor plant building must open outward	1	7.		
		When occupied, the door must be opened from the inside without a key	7	$\top$	1.	
· .	(e)	Does the equipment and wiring within compressor stations conform to the National Electric Code, ANSI/NFPA 70?			•	
165	(a)	If applicable, are there liquid separator(s) on the intake to the compressors?		<u>L</u>		
	(b)	Do the liquid separators have a manual means of removing liquids?				
		If slugs of liquid could be carried into the compressors, are there automatic dumps on the separators, Automatic compressor shutdown devices, or high liquid level alarms?				
67	(a)	ESD system must:	1			
		- Discharge blowdown gas to a safe location	1	L		
		- Block and blowdown the gas in the station				
		- Shut down gas compressing equipment, gas fires, electrical facilities in compressor building and near gas headers				
		Maintain necessary electrical circuits for emergency lighting and circuits needed to protect equipment from damage				
		ESD system must be operable from at least two locations, each of which is:				
	-	- Outside the gas area of the station	┸			
		- Not more than 500 feet from the limits of the station				
		- ESD switches near emergency exits?	T	}		
	(b)	For stations supplying gas directly to distribution systems, is the ESD system configured so that the LDC will not be shut down if the ESD is activated?				
	(c)	Are ESDs on platforms designed to actuate automatically by		_	•	
(4)		- For unattended compressor stations, when:	] .			

# Attachment 1

Distribution Operator Compressor Station Inspection
Unless otherwise noted, all code references are to 49CFR Part 192. S - Satisfactory U - Unsatisfactory N/A - Not Applicable
If an item is marked U, N/A, or N/C, an explanation must be included in this report.

N/C - Not Checked

	COMPRESSOR STATIONS INSPECTION (Field) (Note: Facilities may be "Grandfathered")	s	U	N/A	N/C
	The gas pressure equals MAOP plus 15%?				·
	• An uncontrolled fire occurs on the platform?			3.5	
35 Jr	- For compressor station in a building, when		3		i.
	An uncontrolled fire occurs in the building?				
	<ul> <li>Gas in air reaches 50% or more of LEL in a building with a source of ignition (facility conforming to NEC Class 1, Group D is not a source of ignition)?</li> </ul>				Α.
.171 (a	Does the compressor station have adequate fire protection facilities? If fire pumps are used, they must not be affected by the ESD system.			,	
<u>(</u> t	Do the compressor station prime movers (other than electrical movers) have over-speed shutdown?				
(c	Do the compressor units alarm or shutdown in the event of inadequate cooling or lubrication of the unit(s)?				
(d	Are the gas compressor units equipped to automatically stop fuel flow and vent the engine if the engine is stopped for any reason?	35		1.0	
(6	Are the mufflers equipped with vents to vent any trapped gas?				
.173	Is each compressor station building adequately ventilated?	-			
.457	Is all buried piping cathodically protected?		<u> </u>		· ·
.481	Atmospheric corrosion of aboveground facilities		<del>-</del>		7
603	Does the operator have procedures for the start-up and shut-down of the station and/or compressor units?	_			:
1.7	Are facility maps current/up-to-date?		Γ.		
615	Emergency Plan for the station on site?	Γ.			
619	Review pressure recording charts and/or SCADA		1.5		
707	Markers				
	Overpressure protection – reliefs or shutdowns		-		
735	Are combustible materials in quantities exceeding normal daily usage, stored a safe distance from the compressor building?				
,	Are aboveground oil or gasoline storage tanks protected in accordance with NFPA standard No. 30?				
736	Gas detection – location	1	Γ-	Ţ	$\Box$

	COMPRESSOR STATION O&M PERFORMANCE AND RECORDS	s	U	N/A N/C
09	.731(a) Compressor Station Relief Devices (1 per yr/15 months)			
	.731(c) Compressor Station Emergency Shutdown (1 per yr/15 months)	_		
	.736(c) Compressor Stations - Detection and Alarms (Performance Test)			

omments:		,	
	•		



# Recent PHMSA Advisory Bulletins (Last 2 years)

# Leave this list with the operator.



### All PHMSA Advisory Bulletins (Last 2 years)

Number	<u>Date</u>	<u>Subject</u>
ADB-09-01	May 21, 2009	Pipeline Safety: Potential Low and Variable Yield and Tensile Strength and
		Chemical Composition Properties in High Strength Line Pipe
ADB-09-02	September 30, 2009	Pipeline Safety: Weldable Compression Coupling Installation
ADB-09-03	December 7, 2009	Pipeline Safety: Operator Qualification (OQ) Program Modifications
ADB-09-04	January 19, 2010	Pipeline Safety: Reporting Drug and Alcohol Test Results for Contractors and
		Multiple Operator Identification Numbers
ADB-10-02	February 3, 2010	Pipeline Safety - Implementation of Revised Incident/Accident Report Forms
		for Distribution Systems, Gas Transmission and Gathering Systems, and
		Hazardous Liquid Systems
ADB-10-03	March 24, 2010	Pipeline Safety: Girth Weld Quality Issues Due to Improper Transitioning,
		Misalignment, and Welding Practices of Large Diameter Line Pipe
ADB-10-04	April 29, 2010	Pipeline Safety: Implementation of Electronic Filing for Recently Revised
1.		Incident/Accident Report Forms for Distribution Systems, Gas Transmission
		and Gathering Systems, and Hazardous Liquid Systems
<b>ADB-10-06</b>	August 3, 2010	Pipeline Safety: Personal Electronic Device Related Distractions
<b>\DB-10-08</b>	November 3, 2010	Pipeline Safety: Emergency Preparedness Communications
<b>ADB-11-01</b>	January 4, 2011	Pipeline Safety: Establishing Maximum Allowable Operating Pressure or
		Maximum Operating Pressure Using Record Evidence, and Integrity
		Management Risk Identification, Assessment, Prevention, and Mitigation
-11-02	February 9, 2011	Dangers of Abnormal Snow and Ice Build-up on Gas Distribution Systems

or more PHMSA Advisory Bulletins, go to http://phmsa.dot.gov/pipeline/regs/advisory-bulletin



## APPENDIX G

# APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016

Ernie Fletcher Governor

Teresa J. Hill, Secretary Environmental and Public Protection Cabinet

Timothy J. LeDonne Commissioner Department of Public Protection



Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 554-3460
psc.ky.gov

April 2, 2007

Mark David Goss Chairman

John W. Clay Commissioner

The Honorable Steve Sweeney Mayor of Liberty P.O. Box 127 Liberty, KY 42539

RE: Natural Gas Facilities Inspection of the City of Liberty Gas Company

Dear Mayor Sweeney:

On March 21, 2007, Joel-Grugin-conducted a periodic regulatory compliance inspection of the natural gas facilities of the City of Liberty Gas Company in Liberty, Kentucky. A copy of the inspection report is attached for your review. Six deficiencies were documented during this comprehensive inspection. The previous inspection of this facility was conducted on April 21, 2004. During that comprehensive inspection, two deficiencies were documented, and one was not corrected in a timely manner.

Please review the attached report. As noted, six deficiencies were documented during the inspection. You are requested to respond to this report, outlining corrective actions for the cited deficiencies by May 1, 2007. Please provide your responses on the copies of the Deficiency Tracking Reports sent with this letter by completing the three sections under the Response heading for the cited deficiency.

If you have any questions or need additional information, you are welcome to contact me at (502) 564-3940. We appreciate your continued interest in the safe operation of your gas facilities.

Sincerely,

Jason R. Brangers, P.E.

Manager Gas Branch

Division of Engineering

JRB:SS:mae

Attachment: City of Liberty 032107 Inspection Report





## COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

## UTILITY INSPECTION REPORT

Report Date: 3/26/2007

Report Number: City of Liberty 032107

### BRIEF

Inspector:

Joel Grugin

Inspection Date:

3/21/2007

Type of Inspection:

Periodic Regulatory Compliance Inspection

Type of Facility:

Municipal

Name of Utility:

City of Liberty Gas Company

Location of Facility:

Liberty, KY

Purpose of Inspection:

Periodic inspection of a municipal's facilities and management practices

to verify compliance with federal pipeline safety regulations.

Applicable Regulations

49 CFR Part 192

### INSPECTION

**Description of Utility:** 

City distribution system serving 614 customers in the city of Liberty and

areas along distribution pipeline from Texas Eastern.

**Number of Customers:** 

614

Area of Operation:

Liberty, KY

**Supply Source:** 

Texas Eastern Transmission Corp.

Distribution Description:

Distribution gas system operating in Liberty, KY operating at pressures from 240 psig to 20 psig supplied through steel and plastic pipelines.

Workforce Summary:

Ronnie Wesley, Supervisor, Bridget Blake, Office Personnel; Greg

Rodgers and Jeff Wethington, Maintenance.

Utility Reps in Insp:

Ronnie Wesley, Bridget Blake, and Jeff Wethington

Date of Last Inspection:

4/21/2004

DTR from Last Insp:

**DTRs not Cleared:** 

### Summary of items and facilities Inspected:

The Operating and Maintenance, Emergency, Damage Prevention, Operator Qualification, Drug and Alcohol, and Public Awareness Plans were reviewed during the office visit. Also inspected were records pertaining to leakage surveys and repairs, valve inspections, patrolling, corrosion control, regulator inspections, and odorant verification tests. The field portion of the inspection consisted of inspecting corrosion pipeline readings, regulator settings, pipeline markers, mainline valve locations, and meter installations.



# COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

## UTILITY INSPECTION REPORT

Report Date: 3/26/2007

Report Number: City of Liberty 032107

### **FINDINGS**

- 1 City of Liberty had not performed a leakage survey since 2003. (This is a repeat —deficiency.)
- 2 City of Liberty did not review and update operation, maintenance, and emergency plan as required.
- 3 City of Liberty improperly tested a broken service line on Highway 1547. A bubble test was performed instead of a pressure test.
- 4 City of Liberty did not perform periodic odorant tests.
- 5 City of Liberty had not identified or documented critical valve inspections.
- 6 City of Liberty did not perform corrosion tests for 2006

### RECOMMENDATIONS

To correct the findings noted in this report it is necessary for the City of Liberty Gas Company to take the following actions: (1) Perform and document leak surveys as required in 192.723. (2) Review, update, and document their operations, maintenance, and emergency plans annually. (3) Test all disconnected service lines as new. (4) Perform and document periodic odor tests. (5) Identify, inspect, and document critical valve inspections annually. (6) Perform and document corrosion readings annually.

## ADDITIONAL INSPECTOR COMMENTS

One previous deficiency had not been corrected. We have scheduled a reinspection to verify compliance with the noted deficiencies for 7/20/2007.

Submitted by

Joel Grugin

**Utility Regulatory and Safety Investigator III** 

WH



Report Number: City of Liberty 032107

Due Date:

5/1/2007

DTR Number: 1

## Deficiency Tracking Report

<u>Deficiency Detail</u>	1	
Utility	Date of Investigation	Investigator
City of Liberty Gas Company	- 3/21/2007	Joel Grugin
Regulation		
49 CFR Part 192.723 Distribution system	s: Leakage surveys Each o	perator of a distribution system
shall conduct periodic leakage surveys		
	<u></u>	
Deficiency:	V 1844	
City of Liberty had not performed a leakage	ge survey since 2003. (This i	s a repeat deficiency.)
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Response (attach additional page	ges as necessary)	
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by the utility. (Attach extra pages as necessary)		
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Explain actions taken to correct the deficiency, in	ncluding utility's responsible person	actions taken, and when it was (or will be)
done. (Attach extra pages as necessary)		
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3) Explain actions taken to prevent the deficiency f	rom occurring again, including utility	's responsible person, actions taken, and
when it was (or will be) done. (Attach extra pages	as necessary)	
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Response Provided By:	Re	esponse Date:



Signature:

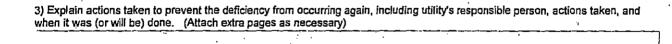
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DTR Number:

## **Deficiency Tracking Report**

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	Utility	Date of Investigation	investigator
City of Lib	erty Gas Company	3/21/2007	Joel Grugin
Regulation			
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Deficiency:	122		
City of Liberty of	did not review and update op	eration, maintenance, and	emergency plan as required .
		If Repeat Deficiency,	Date of Last DTR:
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Response Provided By: Response Date:



Signature:

Report Number: City of Liberty 032107 DTR Number: 3

# Deficiency Tracking Report

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Utility	Date of Investigation	Investigator
City of Liberty Gas Company	3/21/2007	Joel Grugin
Regulation		
49 CFR Part 192.725 (b) Each service line		
the point of disconnection to the service line reconnecting	e valve in the same manner as	a new service line, before
Tooline dang		
Deficiency:		<u> </u>
City of Liberty improperly tested a broken s	ervice line on Highway 1547.	A bubble test was performed
instead of a pressure test.		
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Report Number: City of Liberty 032107 DTR Number:

## Deficiency Tracking Report

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I I II III III	Date of Investigation	Investigator
Utility City of Liberty Gas Company	3/21/2007	Joel Grugin
Regulation		300, C.a.g
9 CFR Part 192.625(f) Odorization of gas combustible gases to assure the proper co		
Deficiency:	<del></del>	
City of Liberty did not perform periodic odd	prant tests.	
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Signature:

Report Number: City of Liberty 032107

Due Date:

5/1/2007

* DTR Number:

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## Deficiency Tracking Report

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· Andrews	Utility	Date of Investigation	Investigator
City of Liberty	Gas Company	3/21/2007	Joel Grugin
Regulation	•		
49 CFR Part 192.74	17		
Deficiency:			-
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Report Number: City of Liberty 032107

DTR Number:

## **Deficiency Tracking Report**

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Utility	Date of Investigation	Investigator
City of Liberty Gas Company	3/21/2007	Joel Grugin

City of Libe	eny Gas Company		3/2 1/2007	·	106l GI	ngiu -	
Regulation				16 6 - 69			·
	32.465 External corre t be tested at least o			a) Each pipel	ine that is und	ler cathodic	
Deficiency:							
City of Liberty d	lid not perform corro	osion tests for 2	006.				

If Repeat Deficiency, Date of Last DTR:

## Response (attach additional pages as necessary)

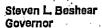
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## APPENDIX H

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016



Leonard K. Peters Secretary Energy and Environment Cabinet



Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

David L. Armstrong Chairman

> James Gardner Vice-Chairman

John W. Clay Commissioner

June 12, 2009

Honorable Steve Sweeney Mayor of Liberty Courthouse Square P.O. Box 127 Liberty, KY 42539

### PERIODIC REGULATORY COMPLIANCE INSPECTION OF LIBERTY NATURAL GAS

On May 27, 2009, Steve Samples conducted a periodic regulatory compliance inspection of the natural gas facilities of Liberty Natural Gas in Liberty, Kentucky. A copy of the inspection report is attached for your review. Nine deficiencies were documented during this periodic inspection. The previous inspection of this utility was conducted on March 21, 2007. Six deficiencies were documented during that periodic inspection and were corrected in a timely manner.

As noted, nine deficiencies were documented during the inspection. You are requested to respond to this report, outlining corrective actions for the nine cited deficiencies by July 17, 2009. Please provide your responses on the copies of the Deficiency Tracking Reports sent with this letter by completing the three separate sections under the Response heading for the cited deficiency.

If you have any questions or need additional information, you are welcome to contact me at (502) 564-3940. We appreciate your continued interest in the safe operation of your gas facilities.

JASON R. BRANGERS, P.E., MANAGER, GAS BRANCH, DIVISION OF ENGINEERING

Attachment: LibertyNaturalGas 052709 Inspection Report





## COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

## UTILITY INSPECTION REPORT

Report Date: 5/29/2009

Report Number: Liberty Natural Gas 052709

BRIEF

Inspector:

Steve Samples

Inspection Date:

5/27/2009

Type of inspection:

Periodic Regulatory Compliance Inspection

Type of Facility:

Municipal

Name of Utility:

City of Liberty Gas Company

Location of Facility:

Liberty, KY

Purpose of Inspection:

Periodic inspection of a municipal operator's facilities and management

practices to verify compliance with federal pipeline safety regulations.

Applicable Regulations: 49 CFR Part 191,192, and 199,

INSPECTION

**Description of Utility:** 

Municipal operator serving city of Liberty and surrounding area.

Number of Customers:

Area of Operation:

Liberty, KY

**Supply Source:** 

Texas Eastern Transmission

Distribution Description: Steel and plastic distribution gas system in Casey County operating at

240 PSIG to 20 PSIG.

**Workforce Summary:** 

4 Gas Operator Qualified Employees and office personnel.

Utility Reps in Insp:

Ronnie Wesley, Supervisor, and Charlene Rodgers (City Clerk)

Date of Last Inspection:

3/21/2007

DTR from Last Insp:

**DTRs not Cleared:** 

## Summary of items and facilities Inspected:

The Operating and Maintenance, Emergency, Damage Prevention, Operator Qualification, Public Awareness and Drug and Alcohol Plans were reviewed during the office visit. Also inspected were records pertaining to leakage surveys and repairs, valve inspections, patrolling, corrosion control, regulator inspections, and odorant verification tests. The field portion of the inspection consisted of inspecting regulator settings, pipeline markers, mainline valve locations, meter installations, and the point of delivery at Texas Eastern facility.



# COMMONWEALTH OF KENTUCKY PUBLIC SERVICE COMMISSION

## **UTILITY INSPECTION REPORT**

Report Date: 5/29/2009

Report Number: Liberty Natural Gas 052709

### **FINDINGS**

- 1 Liberty Natural Gas was not a member of Kentucky one-call system.
- 2 Liberty Natural Gas was not taking adequate precautions when working in hazardous situations.
- 3 Liberty Natural Gas system did not have a Public Awareness Plan or records to indicate following a plan.
- 4 Liberty Natural Gas was not conducting leakage surveys in their business district each year.
- 5 Liberty Natural Gas did not have records to indicate their critical valves have been inspected each year.
- 6 Liberty Natural Gas did not take corrosion readings in 2008.
- 7 Rectifier readings were taken by Mike White. He did not have corrosion operator qualifications.
- 8 Liberty Natural Gas did not have records to show they had tested their new segments of main after a dig in.
- 9 Liberty Natural Gas did not review and update their manuals annually.

### RECOMMENDATIONS

City of Liberty should correct the stated deficiencies in a timely manner.

## ADDITIONAL INSPECTOR COMMENTS

Ronnie Wesley was advised of the plastic squeeze off box at the Woodrum Ridge Regulator Station were they are squeezing off plastic in the same place periodically. It is standard practice in the gas industry, and normally a pipe manufacturer recommendation, not to squeeze off pipe more than once in the same location. This should be replaced with a plastic valve. A follow up inspection will be scheduled.

Submitted by

**Steve Samples** 

Utility Regulatory and Safety Investigator III



Report Number:

Liberty Natural Gas 052709

DTR Number:

Due Date:

7/17/2009

## **Deficiency Tracking Report**



## **Deficiency Detail**

Utility	Date of Investigation	 Investigator
City of Liberty Gas Company	5/27/2009	 Steve Samples

49 CFR Part 192.614 Damage prevention program...each operator of a buried pipeline must carry out, in accordance with this section, a written program to prevent damage to that pipeline from excavation activities...

Deficiency:

Liberty, Natural Gas was not a member of Kentucky one-call system.

If Repeat Deficiency, Date of Last DTR:

## Response (attach additional pages as necessary)

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Report Number:

Liberty Natural Gas 052709

DTR Number:

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Due Date

7/17/2009

## **Deficiency Tracking Report**

## **Deficiency Detail**

Utility	1	Date of investigation	Investigator	
City of Liberty Gas Company		5/27/2009	Steve Samples	

### Regulation

49 CFR Part 192.605(b)(9) Taking adequate precautions in excavated trenches to protect personnel from the hazards of unsafe accumulations of vapor or gas, and making available when needed at the excavation, emergency rescue equipment, including a breathin

Deficiency:

Libert	/ Natural	Gas v	vas not ta	aking add	equate	precauti	ons whe	en working	ni c	haza	rdous	situations
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If Repeat Deficiency, Date of Last DTR:

Response (attach additional p	pages as necessary)
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Explain actions taken to correct the deficiency done. (Attach extra pages as necessary)	y, including utility's responsible person, actions taken, and when it was (or will be)
Explain actions taken to prevent the deficiency when it was (or will be) done. (Attach extra pag	cy from occurring again, including utility's responsible person, actions taken, and ges as necessary)
Response Provided By:	Response Date:



Report Number: Liberty Natural Gas 052709
DTR Number: 3

# Deficiency Tracking Report

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Deficiency Detail	D-4	•
Utility	Date of Investigation	Investigator
City of Liberty Gas Company	5/27/2009	Steve Samples
Regulation		
49 CFR Part 192.616 Public awareness. Ea to enable customers, the public, appropriate excavation		
Deficiency:	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	
Liberty Natural Gas system did not have a F	Public Awareness Plan or	records to indicate following a plan.
	If Repeat Deficiency	, Date of Last DTR:
Response (attach additional page	s as necessary)	
Explain why the deficiency occurred. Include Inform by the utility: (Attach extra pages as necessary)	nation about what caused the de	ficiency and why it was not detected
by the utility. (Attach extra pages as necessary)		
2) Explain actions taken to correct the deficiency, incl	Iding utility's responsible person	, actions taken, and when it was (or will be)
done. (Attach extra pages as necessary)		
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Explain actions taken to prevent the deficiency from when it was (or will be) done. (Attach extra pages as	occurring again, including utility	's responsible person, actions taken, and
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Response Provided By:	R	esponse Date:



Report Number: Liberty Natural Gas 052709 DTR Number: 4

## **Deficiency Tracking Report**

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Utility	· · · ·	Date of Investigation	Investigator	·
City of Liberty Gas Company		5/27/2009	Steve Samples	٠.
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## Regulation

49 CFR Part 192.723 (b)(1) A leakage survey with leak dete				
business districts, including tests of the atmosphere in gas,	electric,	telephone, sewer	, and wate	r system
manholes, at cracks in pavement and sidewalks, and at			1.5	

Deficiency:

Liberty	Natural	Gas was	s not con	ducting l	eakage	surveys	in their l	business	district each	year.

If Repeat Deficiency, Date of Last DTR:

Response (attach additional p	<u>iges as necessary)</u>	
1) Explain why the deficiency occurred. Include	information about what caused the deficiency and why	/-lt-was-not detected-
by the utility. (Attach extra pages as necessary)	Charles of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro	
Explain actions taken to correct the deficiency done. (Attach extra pages as necessary)	including utility's responsible person, actions taken,	and when it was (or will be)
		•.
Explain actions taken to prevent the deficiency     when it was (or will be) done. (Attach extra page	from occurring again, including utility's responsible pos as necessary)	erson, actions taken, and
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Response Provided By:	Response Date:	
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Report Number: DTR Number:

Liberty Natural Gas 052709

## **Deficiency Tracking Report**

Utility	Date of investigation	Investigator
City of Liberty Gas Company	5/27/2009	Steve Samples

49 CFR Part 192.747 Ea	ach valvemust be	e checked a	nd serviced at	t intervals not	exceeding 15 months,
but at least once each ca			10 m		
	7			/	

Liberty Natural Gas did not have records to indicate their critical valves have been inspected each year.

1) Expl	ain why the d	eficiency occ	urred. Include	19	necessary)	the deficiency ar	d why it was n	ot detected
oy-the-	utility-(Attach	-extra-pages	as necessary)	4 2000	1.35.76.96.1			
2) Expl done.	аіл actions ta (Attach extra	ken to correc pages as ne	t the deficiency cessary)	, including util	ity's responsible (	person, actions to	iken, and whe	n it was (or will be)
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<del>-</del>	ain actions tal	ken to prever	nt the deficiency	/ from occumi	ng again, includin ny)	g utility's respons	ible person, a	ctions taken, and
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3) Expla when it	MAG (OI MIN D							
3) Explainment								



## Deficiency Tracking Report

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Deficiency Detail		
Utility	Date of Investigation	Investigator
City of Liberty Gas Company	5/27/2009	Steve Samples
Regulation		
49 CFR Part 192,465 External corrosion cor protection must be tested at least once each	ntrol: Monitoring(a) Eac n calendar vear	n pipeline that is under cathodic
	· · · · · · · · · · · · · · · · · · ·	
Deficiency:		
Liberty Natural Gas did not take corrosion re	eadings in 2008.	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	If Repeat Deficiency	, Date of Last DTR:
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by the utility. (Attach extra pages as necessary)		
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<ol> <li>Explain actions taken to correct the deficiency, includence. (Attach extra pages as necessary)</li> </ol>	iding utility's responsible person	, actions taken, and when it was (or will be)
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3) Explain actions taken to prevent the deficiency from when it was (or will be) done. (Attach extra pages as	occurring again, including utility	's responsible person, actions taken, and
which it was for will be done. (Altaer can bages as	necessary)	<del></del>
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Response Provided By:	R	esponse Date:
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Due Date:

7/17/2009

Deficiency Detail		
Utility	Date of Investigation	Investigato <b>r</b>
City of Liberty Gas Company	5/27/2009	Steve Samples
Regulation		
49 CFR Part 192.805(b) Qualification progra	m (b) Ensure through e	valuation that individuals
performing covered tasks are qualified;		
		<del></del>
Deficiency:		
Rectifier readings were taken by Mike White.	He did not have corrosion	on operator qualifications.
	and Associated States of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Color of the Co	
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Explain actions taken to correct the deficiency, including     (Attach extra pages as necessary)	ling utility's responsible person	, actions taken, and when it was (or will be)
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<ol> <li>Explain actions taken to prevent the deficiency from other it was (or will be) done. (Attach extra pages as n</li> </ol>	ecessary)	vs responsible person, actions taken, and
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Description Control Control		
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Report Number: Liberty Natural Gas 052709 DTR Number: 8

## Deficiency Tracking Report

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Deficiency Detail	<b>"你你,你你</b> 你	
Utility	Date of Investigation	Investigator
City of Liberty Gas Company	5/27/2009	Steve Samples
Regulation		
49 CFR Part 192.503(a)(1) No person may o segment of pipeline that has been relocated subpart and Sections 192.619 to substantiate	or replaced, until - It has I	
Deficiency:	A STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF S	· · · · · · · · · · · · · · · · · · ·
Liberty Natural Gas did not have records to s in:	how they had tested their	
Response (attach additional pages		
1) Explain why the deficiency occurred. Include informa	et a ket a gegrer (f. 1991 e. ¹ . a) de e	iclency and why it was not detected
by the utility-(Attach-extra-pages-as-necessary)		
Explain actions taken to correct the deficiency, included     Attach extra pages as necessary)	ling utility's responsible person,	actions taken, and when it was (or will be)
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) Explain actions taken to prevent the deficiency from when it was (or will be) done. (Attach extra pages as n	occurring again, including utility ecessary)	's responsible person, actions taken, and
Response Provided By:		esponse Date:



Report Number: DTR Number:

## Deficiency Tracking Report

	ty	Date of Investigation	Investigator
City of Liberty Gas	Company	5/27/2009	Steve Samples
legulation			
9 CFR Part 192.605(a)	Procedural manua	al for operations, maintenanc	e, and emergencies
eficiency;	· • • • • • • • • • • • • • • • • • • •		
berty Natural Gas did r	not review and upd	ate their manuals annually.	
		If Repeat Deficiency, I	Date of Last DTR:
esponse (attach a	additional page	es as necessary)	
Explain why the deficiency	occurred. Include info	mation about what caused the defic	lency and why it was not detected
rthe utility. (Attach extra pag	Jes as necessary)		
Evaloin actions taken to co	rrect the deficiency, inc	luding utility's responsible person, a	ctions taken, and when it was (or will be
explain actions taken to con			
ne. (Attach extra pages as	s necessary)		
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ne. (Attach extra pages as	event the deficiency fro	m occurring again, including utility's s necessary)	responsible person, actions taken, and
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## APPENDIX I

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2016-00391 DATED DEC 0 1 2016





## <u>LEAKAGE SURVEY RECAP</u>

a. Miles of pipeline inspected b. Percent of system inspected c. Number of services inspected d. Percent of total services  2. RESULTS  a. Number of leaks detected b. Number of pipeline leaks c. Number of services leaks d. Number grade "1" leaks c. Number grade "3" leaks f. Number grade "3" leaks f. Number grade "3" leaks CLASSIFICATION METHOD  a. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: B 37  14 Employees: Cally Rolly 18  1. Plus Business District and Schools. 2. Book:			COPE		
b. Percent of system inspected c. Number of services inspected d. Percent of total services  2. RESULTS  a. Number of leaks detected b. Number of services leaks c. Number of services leaks d. Number grade "1" leaks c. Number grade "2" leaks f. Number grade "3" leaks f. Number grade "3" leaks CLASSIFICATION METHOD  a. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: B 27 14 Employees: City Rollers  1. Plus Business District and Schools.	•		Milan of ninalina insurated		
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e. Number grade "2" leaks f. Number grade "3" leaks CLASSIFICATION METHOD  a. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five mooks.  Date of Survey: 5/27/14 Employees: Calay Rolling 1. Plus Business District and Schools.		C.			
CLASSIFICATION METHOD  a. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter  Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five mooks.  Date of Survey: 8/27/14 Employees: City Rolling  1. Plus Business District and Schools.	•	d.		. 0	
a. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter  Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: 8/27/14 Employees: Categ Rollers  1. Plus Business District and Schools.	,			0	-
a. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter  Name of Company: City of Liberty P.O. BOX 127 Liberty. KY 42539  The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: 8/27/14 Employees: Catty Rollers  1. Plus Business District and Schools.	•	f,	Number grade "3" leaks	0	
P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: 8/27/14 Employees: City Rodges  1. Plus Business District and Schools.				CGI Meter	
Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: 6/27/14 Employees: Guy Rodgus  1. Plus Business District and Schools.		a. 5.	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C	GI Meter	
The City of Liberty has been divided into five (5) parts because we have five n books.  Date of Survey: 8/27/14 Employees: City Rodges  1. Plus Business District and Schools.		a. b. c.	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC pany: <u>City of Liberty</u>	GI Meter	
Date of Survey: 8/27/14 Employees: Greg Rolgers  1. Plus Business District and Schools.		a. b. c.	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC  pany: <u>City of Liberty</u> P.O. BOX 127	GI Meter	
1. Plus Business District and Schools.		a. b. c.	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC  pany: <u>City of Liberty</u> P.O. BOX 127	GI Meter	
	Name The C	a. b. c. of Com	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC  pany: City of Liberty P.O. BOX 127 Liberty, KY 42539	GI Meter II Meter	e we have five m
	Name The Co	a. b. c. of Com	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC  pany:  City of Liberty  P.O. BOX 127  Liberty, KY 42539  iberty has been divided into five	GI Meter Il Meter (5) parts because	
	Name The Cl books. Date of	a. b. c. of Com ity of Li f Surve Plus B	Class "1" leaks 75% to 100% Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC  pany:  City of Liberty  P.O. BOX 127  Liberty, KY 42539  iberty has been divided into five  y:  8   37   14	GI Meter Il Meter (5) parts because	





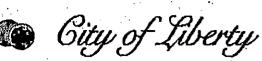


	· .					
	1.	S	COPE			
						•_
•		a.	Miles of pipeline inspected	1		
			Percent of system inspected	20 70	<del></del>	
	34,	O.	Number of services inspected		<del></del>	
٠, ٠,		₫,	Percent of total services			
	7_1				<del></del>	
<del></del>		—RI	ESULTS-		tan a sala ji ya.	<del></del>
						•
			Number of leaks detected			
	•	b.	Number of pipeline leaks	0		• •
	•		Number of services leaks	0	<b>-</b>	•
	•		Number grade "1" leaks	0	٠,	
•			Number grade "2" leaks	0	<b>-</b>	
		£	Number grade "3" leaks	. 0		•
ż					_	
	CLASSI	FICA	TION METHOD	•	,	
	, , ,			•		
		a.	Class "1" leaks 75% to 100%	CGI Meter	-	
		ь.		CGI Meter		
		C.	Class "3" leaks 0% to 15% Co	GI Meter		
	3Tam 6	· CI -	color Om M		•	
	Name of	Com		-		
			P.O. BOX 127	•		•
•			Liberty, KY 42539	•	•	
	The City	ofLi	berty has been divided into five	(5) parts becau	se we have five	meter
	books.		•	· · · · · · · · · · · · · · · · · · ·	- 110 1m/Q M/Q	110001
	70		talan lu	() august	As land	
	Date of S	urvey	y: <u>8/27/14</u> Employ	yees: <b>Darrin</b>	MERTA	<b>534</b>
•	ות 1	h. 10-	roimaga Diatulat and G.J 1	· · · · · · · · · · · · · · · · · · ·		·
	2. B		usiness District and Schools.			
	· 4, D	YUK;	<del>-a</del>			
			•			



City Hall







	. 1.	SCOPE			
	. 1.	BCOPE	a -		•
	•	a. Miles of pipeline inspected	$\mathcal{A}$		•
		b. Percent of system inspected	20.00	•	:
		c. Number of services inspected	30	<del></del>	
	•	d. Percent of total services		<del>-</del>	
	, , ;			<del>_</del>	•
	2	-RESULTS		<del></del>	10 g
			•		
		a. Number of leaks detected	0		٠.
		b. Number of pipeline leaks	0	<del></del> 	•
	***	c. Number of services leaks	0	- <del></del>	
	• •	d. Number grade "1" leaks		· ·	
	•	e. Number grade "2" leaks	<u> </u>		
	•	f. Number grade "3" leaks	0	_	
	of comm	(d) , makes us constructs		•	• •
	CLASSIF.	CATION METHOD			
		<ul> <li>a. Class "1" leaks 75% to 100%</li> <li>b. Class "2" leaks 15% to 75%</li> <li>c. Class "3" leaks 0% to 15% C</li> </ul>	CGI Meter	•	
. •	Name of C	Company: City of Liberty P.O. BOX 127 Liberty, KY 42539			
	The City o	f Liberty has been divided into five	e (5) parts becar	ise we have fi	ve meter
	Date of Su	rvey: <i>8/27/14</i> Emplo	yees: <u>Jeff</u>	Wethington	
		s Business District and Schools. ok; <u>J.</u>			







## LEAKAGE SURVEY RECAP

	COPB		
t c	Percent of system inspected     Number of services inspected	1 20% 45	
	RESULTS	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	· · · · · · · · · · · · · · · · · · ·
			en en en en en en en en en en en en en e
а			
b		0	
•		0	
		<i>D</i>	•
			•
£	Number grade "3" leaks	0	
CLASSIFIC	ATION METHOD		
b. c.	Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC	GI Meter	
The City of I books.	Liberty has been divided into five	(5) parts because	we have five meter
Date of Surv	ey: <u>8/27/14</u> Employ	rees: <u>Darren F</u>	Hunod
	_		
	2. I as it is considered by the City of I books.  Date of Surv  1. Plus I	b. Percent of system inspected c. Number of services inspected d. Percent of total services  2. RESULTS  a. Number of leaks detected b. Number of pipeline leaks c. Number of services leaks d. Number grade "1" leaks e. Number grade "2" leaks f. Number grade "3" leaks  CLASSIFICATION METHOD  a. Class "1" leaks 75% to 100% b. Class "2" leaks 15% to 75% Cc. Class "3" leaks 0% to 15% Cc  Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five books.  Date of Survey: 8/21/14 Employ  1. Plus Business District and Schools.	b. Percent of system inspected c. Number of services inspected d. Percent of total services  2. RESULTS  a. Number of leaks detected b. Number of services leaks c. Number of services leaks d. Number grade "1" leaks e. Number grade "2" leaks f. Number grade "3" leaks c. Number grade "3" leaks d. Number grade "3" leaks f. Number grade "3" leaks c. Class "1" leaks 75% to 100% CGI Meter b. Class "2" leaks 15% to 75% CGI Meter c. Class "3" leaks 0% to 15% CGI Meter Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539  The City of Liberty has been divided into five (5) parts because books.  Date of Survey:  B/21/14  Employees:  Liberty Liberty has District and Schools.





•		. Miles of pipeline inspected	<b></b>	
		Percent of system inspected	2070	<b>-</b>
٠.		Number of services inspected	100	<del>-</del>
		Percent of total services	100	-
	R	ESULTS		
			d .	•
	a.	Number of leaks detected		/
	<b>b</b> .	Number of pipeline leaks	0	-
	C.	Number of services leaks	M	<b>-</b> 
		Number grade "1" leaks	0	<del>-</del>
<i>)</i>	e.		0	•
	f.	Number grade "3" leaks	Ö	•
	•		· · · · · · · · · · · · · · · · · · ·	•
	CLASSIFIC	ATION METHOD	•	
;	b. o.	Class "2" leaks 15% to 75% Co Class "3" leaks 0% to 15% CG		
	Name of Con	npany: <u>City of Liberty</u>	•	
ı		P.O. BOX 127	•	
		Liberty, KY 42539		
			_	•
	The City of L books.	iberty has been divided into five (	(5) parts becau	se we have five meter
	Date of Surve	ey: <u>8/27/14</u> Employe	ees: <u>Chris</u>	Dial
	1. Plus F 2. Book	Business District and Schools.		
***				·





	1. SCC	)PB			•	•
	. <b>a.</b> ]	Miles of pipeline inspected	1	•		
		Percent of system inspected	20%	1	•	
		Number of services inspected	30			•
•	<b>d,</b> ]	Percent of total services	7	a area		
					• •	
	2. RES	ULTS	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<del></del>	<del>: - :</del>
	,					
		Number of leaks detected	<u> </u>		•	
		Number of pipeline leaks				
		Number of services leaks				٠,
·		Number grade "1" leaks				•
0		Number gtade "2" leaks	0_			
	. <b>f</b> . 1	Number grade "3" leaks	0			-
··	a. ( b. (	ION METHOD Class "1" leaks 75% to 100% ( Class "2" leaks 15% to 75% C Class "3" leaks 0% to 15% CC	GI Meter			
	Name of Compa	ny: City of Liberty P.O. BOX 127 Liberty, KY 42539				
	The City of Libration books.	erty has been divided into five	(5) parts because	e we ha	ve five me	eter
,	Date of Survey:	_7/25/13 Employ	rees: <u>Areg</u>	Rodge	3	
•	<ol> <li>Plus Bus</li> <li>Book: _</li> </ol>	siness District and Schools.				• •



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## LEAKAGE SURVEY RECAP

	1.	SCOPE		
	, ,	a. Miles of pipeline inspected	1	
		b. Percent of system inspected	80%	
:		c. Number of services inspected	45	
•		d. Percent of total services		
·	2.	RESULTS	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	
	Ł	a. Number of leaks detected		
•		b. Number of pipeline leaks		
-,		c. Number of services leaks	0	
	* * *	d. Number grade "1" leaks		
		c. Number grade "2" leaks		
		f. Number grade "3" leaks		
	CLASSIF	ICATION METHOD		\$*************************************
	· · · · · · · · · · · · · · · · · · ·	<ul> <li>a. Class "1" leaks 75% to 100% C</li> <li>b. Class "2" leaks 15% to 75% C</li> <li>c. Class "3" leaks 0% to 15% CG</li> </ul>	31 Meter	
	Name of (	City of Liberty P.O. BOX 127 Liberty, KY 42539	·	
*	The City o	of Liberty has been divided into five (	(5) parts becaus	e we have five meter
	Date of Su	rvey: 7/25/13 Employe	ecs: <u>Duren</u>	Ahmod
		as Business District and Schools. ok:	,	
		•		







# City of Liberty

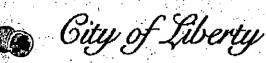


## LEAKAGE SURVEY RECAP

1. SCOPE			
N. F. C. L. L. T.	· •		1.0
a. Miles of pipeline inspected	00/7	•	
b. Percent of system inspected			
c. Number of services inspect	ed		· .
d. Percent of total services			
2RESULTS			9.
			,
a. Number of leaks detected	Ø		
b. Number of pipeline leaks	0		
c. Number of services leaks	0	+	
d. Number grade "1" leaks	0	٠.	
e. Number grade "2" leaks	0	-	
f. Number grade "3" leaks	. 0		
classification method  a. Class "1" leaks 75% to 100 b. Class "2" leaks 15% to 75%	6.CGI Meter		
c. Class "3" leaks 0% to 15%	CGI Meter	•	
Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539	<del></del>		•
The City of Liberty has been divided into fi books.	ve (5) parts because	e we have five r	neter
Date of Survey: 7/8//3 Emp	loyees: <u>Jug Ri</u>	Bdgw	, pag
<ol> <li>Plus Business District and Schools.</li> <li>Book:/</li> </ol>		· · · · · · · · · · · · · · · · · · ·	<b>-</b> 
		<del>.</del>	==









## <u>LEAKAGE SURVEY REC</u>AP

	-				1 1	-	· · · · ·		•	•
	1.	SC	COPE	: 1					-	
		•				v.	•			
	•	a.	Miles o	f pipeline	inspected	- 1		• :		
		'×' b.	Percent	of system	ı inspected	204	70	•	٠	
		C.	Number	of service	es inspected	45	-	•		
	• •	ď,	Percent	of total s	ervices			•		
									•	
	2	RI	ESULTS				<del></del>	1		<u> </u>
		1 2 2					•	· .`		
		a.	Number	of leaks	detected	0			•	
		b.	Number	of pipeli	ne leaks	0		o.		1.0
•	***			ofservic		0		•		
		d.		grade "I		0	-1	•		•
•		e.		grade "2		0	<del></del>	•		
	. •	f.		grade "3		6	<del></del>	•		
	CLASSII	a. b. c.	Class "1 Class "2	" leaks 7 " leaks 1	5% to 100% 5% to 75% % to 15% C	CGI Met	er	, Ý	:	
	Name of	Com	pány: (	City of Li	bertv				•	
				P.O. BOX	_	₹				
			_		Y 42539	₹		•		
	books,  Date of S	urve	y: _ <i>]/[</i>	3/12	ided into fiveEmplo	e (5) part byees: <u>/</u>	_	·	•	e meter
	2. Bo			istrict an	1 9cnoois,	<del></del>	<del></del>			<del></del> -









## LEAKAGE SURVEY RECAP

		1.35%			•	
	a	. Miles of pipeline in	spected			
-	b	Percent of system in		20.70	<del></del>	
		. Number of services		30)	<del>-</del>	
	d	. Percent of total ser	vices	<del>-                                    </del>	<del></del>	and the same
,					_	7,
	R	ESULTS			<del></del>	<del> </del>
• .						
		Number of leaks de			•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	<b>b</b>	. Number of pipeline	leaks	0	<del></del> ;	
	C	Number of services	leaks	1	<del></del>	
•	d	. Number grade "1" ]	eaks	0	<b>∸</b>	
•		Number grade "2" I		/	<del>-</del> , *	
		Number grade "3" l		<u>, , , , , , , , , , , , , , , , , , , </u>	$ extstyle = rac{1}{L}$	
			-		·	
	CLASSIFIC	ATION METHOD		• ,	- i.	
			O 71		٠.	
	<b>a.</b>		i to 100% CG	I Meter		•
	b.	second Tolai	to 75% CGI	Meter		• •
	°C,	Class "3" leaks 0%	to 15% <b>CGI</b> N	Aeter .	200	
		* *	3.1		•	•
<b>.</b> \$.	Name of Con	npany: City of Liber	tv		•	
	÷	P.O. BOX 1	27	•		
•		Liberty, KY	42539		-	
		•	·			
	The City of L books.	iberty has been divide	d into five (5)	parts becau	se we have f	ive meter
		1.1.		/ \	A.11.5 (	
	Date of Surve	=y: <u>6/6/2011</u>	Employees	: Ueff /	<u>Votninator</u>	<del></del>
	1 m. r	Sandana District		A	2 1 1 2 2	<del></del>
		Jusiness District and S	cnoois.	TANK 1	roman 7	
	2. Book:				· · · · · · · · · · · · · · · · · · ·	
					-	
				•		







1, 8	SCOPE		
	. Miles of pipeline inspected	7	
the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Percent of system inspected	2070	
	. Number of services inspected	100	
, o	l. Percent of total services		
· * · · · · · · · · · · · · · · · · · ·			
F	RESULTS		
а			
	Number of pipeline leaks	0	
· C	. Number of services leaks		
<b>b</b>	. Number grade "1" leaks	0	
9 e	. Number grade "2" leaks	0	
<b>f</b> .	Number grade "3" leaks	0	
a. b. c.	(b) 6 to 10010 (	GI Meter	
Name of Con	mpany: City of Liberty P.O. BOX 127 Liberty, KY 42539		
books,	Liberty has been divided into five	(5) parts because	
	Business District and Schools.	Grat	Edgirs







1.	SCOPE	
	a. Miles of pipeline inspected	1
	b. Percent of system inspected	20%
	c. Number of services inspected	75
	d. Percent of total services	- 15
<b></b>	-RESULTS	***
*	a. Number of leaks detected	D.
	b. Number of pipeline leaks	Ď.
- ' '.	c. Number of services leaks	,
, :	d. Number grade "1" leaks	· (V
	e. Number grade "2" leaks	
	f. Number grade "3" leaks	^

- Class "1" leaks 75% to 100% CGI Meter
- Class "2" leaks 15% to 75% CGI Meter
- Class "3" leaks 0% to 15% CGI Meter

Name of Company: City of Liberty P.O. BOX 127 Liberty, KY 42539

The City of Liberty has been divided into five (5) parts because we have five meter books,

Date of Survey: 6/8/2011 Employees:	Oeff Wethington
<ol> <li>Plus Business District and Schools.</li> <li>Book: 3+4</li> </ol>	Gren Rodgus





# Gity of Liberty

lali



### LEAKAGE SURVEY RECAP

1. SCOPE	
a. Miles of pipeline inspected	
b. Percent of system inspected	2070
c. Number of services inspected	
d. Percent of total services	
d. Percent of total services	
2 DESTRICT	
2. RESULTS	
a Number of laster detected	^
a. Number of leaks detected	
b. Number of pipeline leaks	<del></del>
c. Number of services leaks	<del></del>
d. Number grade "1" leaks	
e. Number grade "2" leaks	<del></del>
f. Number grade "3" leaks	
CLASSIFICATION METHOD	
<ul> <li>a. Class "1" leaks 75% to 100% (</li> <li>b. Class "2" leaks 15% to 75% C</li> <li>c. Class "3" leaks 0% to 15% CG</li> </ul>	GI Meter
Name of Company: City of Liberty	
P.O. BOX 127	
Liberty, KY 42539	
Zingotoff 121 Tabby	
The City of Liberty has been divided into five books.	(5) parts because we have five meter
Date of Survey: 6/9/2011 Employ	ees: Off Wethington
<ol> <li>Plus Business District and Schools.</li> <li>Book;5</li> </ol>	Grey Rodgers
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*City of Liberty Gas Company Courthouse Square P. O. Box 127 Liberty, KY 42539

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